



Mower County 4-H 2024 Premium Book



Mower County Fair: August 5-11, 2024

Your guidebook to prepare for your 4-H experience at the Mower County Fair.

Fair Registration

Thursday, May 16, 2024 - Fair Registration opens in FairEntry <http://mower.fairentry.com>

Thursday, July 11, 2024 - Fair Registration Deadline (11:59 p.m.)

Last updated: 4/17/24

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What is the Premium Book?

The Mower County 4-H Premium Book is created for 4-H members, parents and adult volunteers. It is used for planning and registering projects to exhibit at the Mower County Fair. Please study this premium book carefully as it contains all rules and other information pertinent to exhibiting as a 4-H member at the Mower County Fair. **You are responsible for adhering to the rules in the premium book.** Please note that information provided in the premium book is subject to change at the discretion of the Extension office.

4-H at the County Fair

The county fair is one of the highlights of the 4-H year. It is an opportunity for youth to showcase their special efforts, interests, and talents by exhibiting projects. To “learn by doing”, you are encouraged to enter an exhibit in each project area in which you are enrolled. Your county fair experience should be a fun and enjoyable learning experience. You should think seriously about what you want to learn from preparing your project exhibit. Hopefully, you will be



rewarded accordingly. The ribbon or recognition is only secondary; the skill and knowledge of the project are what will really help you down the road in life. Ribbons and recognition are short-lived, but skills and knowledge are for life.

4-H Fair Schedule

Tuesday, July 30

- 5:00 pm - 8:00 pm.....Clothing & Textiles Judging (4-H Building)
- 6:00 pm - 8:30 pm.....Fashion Revue (4-H Building)
- 6:00 pm - 8:30 pm.....Food Revue Judging (4-H Building)

Saturday, August 3

- 8:00 am.....Horse training starts (Horse Arena)
- 9:00 am.....Horse show starts (Horse Arena)

Monday, August 5

- 12:00 pm.....Animals can enter fairgrounds
- 12:00 pm - 7:00 pm..... General Exhibit Judging (4-H Building)
- 2:00 pm - 7:00 pm.....All rabbits and posters in place (Rabbit barn)
- 3:00 pm - 8:00 pm.....Livestock Interviews (Crane Pavilion)
- 3:00 pm - 6:00 pm.....Swine weigh in (Swine barn)
- 4:00 pm - 7:00 pm.....Poultry weigh in (Poultry barn)
- 5:00 pm - 7:00 pm.....Sheep weigh in (Sheep barn)
- 5:00 pm - 7:00 pm.....Goat weigh in (Goat barn)

Tuesday, August 6

- 8:30 am.....Rabbit Show (Rabbit barn)
- 9:00 am - 11:00 am.....Beef check in and weigh in (Beef barn)
- 12:00 noon.....All livestock (including horse) in place
- 1:00 pm.....Dairy check in and verification (Dairy Barn)
- 3:00 pm.....Horse awards (Horse barn)
- 4:00 pm.....Horse fun show (Horse arena)
- 5:00 pm.....Lamb lead (Crane Pavilion)
- 6:00 pm.....Sheep show (Crane Pavilion)

Wednesday, August 7

- 9:00 am.....Poultry show (Poultry barn)
- 9:00 am.....Dairy show (Crane Pavilion)
- 12:30 pm.....Dairy goat show (Crane Pavilion)
- 2:30 pm.....Beef show (Crane Pavilion)
- 4:00 pm.....Meat goat show (Crane Pavilion)
- 8:00 pm.....4-H Bean Bag Tournament (Crane Pavilion)

Thursday, August 8

- 8:00 am - 10:00 am.....Horses released (Horse barn)
- 8:30 am.....Swine Show (Crane Pavilion)
- 12:00 pm - 2:00 pm.....Llama/Alpaca Entry (Llama barn)
- 2:00 pm.....Llama/Alpaca check in and fiber judging (Crane Pavilion)
- 2:00 pm.....Demonstration judging (4-H Building)

Friday, August 9

- 10:00 am.....Pet Show (4-H Building)
- 10:00 am.....Goat costume and agility contest (Goat barn)

- 11:00 am..... Chicken BBQ Contest (4-H Building)
- 11:00 am.....Performing Arts performance (Fair Square)
- 11:30 am..... Ribbon Auction registration turned into 4-H office
- 12:00 noon.....Deadline to claim State Fair trip (4-H office)
- 12:00 noon.....Fashion Revue (Fair Square)
- 3:00 pm.....Llama/Alpaca show (Crane Pavilion)

Saturday, August 10

- 9:00 am.....4-H Ribbon Auction (Crane Pavilion)
- 2:00 pm.....4-H State Fair meeting - General & Livestock combined (Crane Pavilion)
- 6:00 pm.....Supreme Showmanship Contest (Crane Pavilion)
- 8:30 pm.....4-H Dance (Crane Pavilion)

Sunday, August 11

- 9:00 am.....Dog show (Crane Pavilion)
- 4:00 pm.....Livestock released (Livestock barns)
- 6:00 pm.....Static projects released (4-H Building)

Registering for the County Fair

To register for the fair, go to <http://mower.fairentry.com>. Fair registration is open May 16-July 11 and everyone will need to register for the classes they plan to enter their exhibits/animals in for the 2024 Mower County Fair. A FairEntry help guide can be found at <https://z.umn.edu/MowerFairEntryHelp>.

4-H Exhibit Rules

Minnesota 4-H has a series of policies to provide continuity in programming from county to county and address risk management of our events and activities at county and state fairs. These statewide policies are accessible [here](#) and include but are not limited to:

- [Absentee judging of projects](#)
- [Judging experiences for youth with disabilities or injuries](#)
- [Cloverbud Policies and other info regarding age, judging procedures, showing animals, etc...](#)
- [Code of conduct](#)
- [Grievance Policy](#)
- [IAFE Show Ethics](#)
- Full list of policies can be found at z.umn.edu/4HPolicies

If a 4-H'er misses a project deadline, they can take advantage of a one-time [exemption](#), but it must be approved by Extension staff. Restrictions (for receiving State Fair trips or being awarded higher than a blue ribbon) may apply.

General Exhibit Rules

1. Youth will be eligible for all show-related premiums, awards, and participation in the state event when exhibition requirements are met (and appropriate permissions are granted by 4-H Program Staff). Approved early release is an exception to the rule and becomes a 4-H staff, in partnership with the county fair board, decision based on each situation.
2. All youth must be enrolled in 4-H to exhibit, demonstrate, or take part in projects. All work on projects entered must be done by the 4-H member and completed during the current 4-H year unless otherwise noted.
3. Note - Cloverbud exhibits, including livestock posters, will not be judged blue, red and white. Instead, all will receive participation recognition.
4. Poster exhibits may not exceed 22" wide x 28" high. They may be smaller.

5. Education/Science Tri-Fold Exhibits for all project areas may not exceed 12" deep x 24" wide x 36" high. (Center back 24" wide x 36" high, right and left wings each 12" wide x 36" high.)

All exhibits will be evaluated by a conference with the judge. Project judging criteria:

- | | | |
|------|----------------------------------|-----|
| i. | Exhibit quality | 25% |
| ii. | Educational value | 25% |
| iii. | Knowledge and ability to explain | 50% |

Decision of the judge is final and may not be appealed.

6. Floor Space for any exhibit should not exceed 20 square feet. If your exhibit exceeds this space limitation, contact the Extension office.
7. All exhibits must be labeled with name, club, and county. Other appropriate information for the project (i.e., vegetable varieties) should be included. If the exhibit has multiple pieces, each part needs to be labeled and should indicate 1 of 4, 2 of 4, etc.
8. Opinions expressed through exhibits and presentations are those of the 4-H member and not necessarily those of MN 4-H, U of MN or the county fair/agricultural society.
9. General Project Registration: 4-H'ers must register for projects in [FairEntry](#) by July 11. See specific project areas for additional rules.
 - a. Arrival/Release: All general project exhibitors must pick up exhibitor packets at the 4-H Building office counter prior to their exhibit judging. The counter will be open starting at 12 pm on Monday, August 7. The packet contains all general and animal check-in cards. Please make sure that you are not missing anything and return any project cards you will not be using. Then go to the tape table and tape your exhibit card to your project. Be careful not to damage your project in the process. General project release time is Sunday, August 13 at 6 pm. Removal of projects prior to that time will result in a forfeiture of the premium check and State Fair trip.
10. Club Projects such as club booth, club flowerpot, etc. are registered by club leaders using an online form, which will be sent to them. Clubs must designate one person to pick up their packets at the Ambassadors' counter the Monday before the fair, starting at 12 pm. Club entry cards should be attached to projects.
11. Projects will be placed in blue, red, and white ribbon groups. Blue ribbon placings will not be awarded if the exhibits are not of blue-ribbon quality. Champion and reserve champion ribbons will be awarded at the discretion of the judge, depending on the amount and quality of exhibits.
12. NEW in 2024 - Community Impact Recognition
 - a. Minnesota 4-H wants to recognize youth who are making a difference in their community and are sharing their story through their project(s) and exhibit(s).
 - b. Judges at local and state showcases will place a recognition sticker on each exhibit where the 4-H'er clearly articulates how their efforts made a positive community impact.
 - c. Exhibits and presentations may demonstrate the youth's community impact efforts through:
 - i. Direct Service: Involves face-to-face interactions with the people, animals, or environment being served - such as distributing meals or cleaning up a park
 - ii. Indirect Service: Involves benefiting a cause or group, but there isn't direct contact with those that benefit - such as fundraising or knitting blankets
 - iii. Advocacy: Involves researching issues of public interest and then encouraging action or promoting awareness - such as promoting mindfulness practices to a school curriculum committee, collecting water quality data for a community organization.
 - d. Note: to qualify as "community impact", the project should primarily benefit someone or something more than you individually, or your family.
13. Copyright Law and Infringement:
 - a) Copyright is a form of protection given to authors and creators of original work. Original work includes a person's ideas captured in writing or as an image, photograph, song, audio recording, or visual recording.
 - b) All original work – including information found on the web – is subject to copyright protection. The author/creator has exclusive rights to reproduce, distribute, display, perform or make derivative works.

- c) Before using another person's work as part of your 4-H exhibit, be sure that the work is subject to fair use, has a creative commons license or that you have requested and received permission (in writing) to use the original work. If an exhibit infringes on copyright law, a decision may need to be made to remove the exhibit from display at the county or state fair.


Animal Science Exhibit Rules

1. All beef, dairy, dairy goat, dog, horse, llama-alpaca, meat goat, poultry (doves/pigeons only), rabbit, sheep and swine shown in 4-H livestock shows must have the required State 4-H ID system, ear tag and/or tattoo. Animal ID data must be submitted online, arrive in the Extension office, or be postmarked no later than May 15, 2024 (with the exception of Market Beef due Feb. 15, 2024).
2. All animals exhibited must be owned solely by the member, member's family or leased by agreement. The family includes the 4-H'ers parents or guardians and siblings living together as a family unit. The definition of family includes an extended family where the animals may be owned by grandparents with the 4-H'er's parents actively involved with and working on the farm. Animals owned in partnership with non-family members (as defined above) must be leased and follow guidelines within the lease information.
3. Registered animals, not leased, must be registered in the exhibitor's name and/or the exhibitor's family name, or family's farm name.
4. 4-H'ers exhibiting livestock at the County Fair are responsible for the care and feeding of animals they exhibit.
5. Note - Cloverbud exhibits, including livestock posters, will not be judged blue, red and white. Instead, all will receive participation recognition.
6. All livestock exhibits, including showmanship, must be pre-registered. Members in animal projects may exhibit one animal per class, unless stated otherwise.
7. 4-H'ers must show their own animal in the class. If the 4-H'er has multiple animals in one class, another 4-H member(s) from the same county can show the other animals.
8. All 4-H'ers exhibiting livestock at the county fair are eligible to participate in showmanship and must show their own animal.
9. No animals may be advertised for sale and no farm, ranch, or sale signs may be displayed or worn in the show ring. The only signs other than 4-H stall cards and champion/reserve champion signs that may be displayed are educationally-based signs with performance or pedigree information and signs with the animal's name. Only decorations that support the 4-H Youth Development Program are allowed.
10. State Grooming & Fitting Rules:
All grooming of livestock at the fair, including clipping, trimming and manipulation of the hair/wool (such as blocking on sheep, pulling up hair on beef and working up top lines on dairy) must be clearly done by the exhibitor, members of the immediate family (parents, step-parents, legal guardians, grandparents, brothers or sisters) or any other enrolled Minnesota 4-H member.
11. All animals must be fitted and groomed for shows within their respective barn or an approved location by the species superintendents.
12. Registered market animals must have registration papers solely in the exhibitor's name, the exhibitor's family name, or the family's farm name; registered breeding animals must have registration papers solely in exhibitor's name, the exhibitor's family name, or the family's farm name or be under lease from any other owners (including partnerships).
13. To show in the registered breed classes, animals must meet the registration requirements for that breed and registration papers must be available. Animals without proper registration papers (crossbreeds and grades) must be shown as commercial. Registration papers must be uploaded in 4-H Online by the May 15 deadline or send them to the Extension Office before the fair.
14. All animal health regulations will be in effect as stipulated by the Minnesota Board of Animal Health and the County Agricultural Society.

15. 4-H'ers wishing to show livestock at the county fair must have ID'd their animals in 4HOnline (or submitted paperwork to the Extension Office) by the May 15 deadline. Registration in FairEntry must be completed by the July 11 deadline. See specific project areas for additional rules.
16. Livestock Arrival: Livestock must be in place by 12 pm on Tuesday, August 6. All livestock exhibitors must pick up your exhibitor packets at the 4-H Building office counter by 4 pm on Tuesday. The counter opens at 12 pm on Monday, August 5. Packets will contain all general and livestock check-in cards, back tags, etc. Please make sure you are not missing anything and return all the project cards you will not be using.
17. Livestock Release: All livestock exhibits will be released on Sunday at 4 p.m., except where otherwise specified. Removing animals before the designated time will automatically result in the loss of premium money, ribbon auction premiums, and state fair trips on all of the member's exhibits. The horse and llama - alpaca projects will have a separate release time listed in their project sections of the premium book.
18. Permission will be granted to release livestock early if a serious situation occurs (ex: sickness) or if an exhibitor has a family emergency (ex: death in the family). Situations must be communicated to and approved by both 4-H and the Fair Board in order for permission to be granted.
19. All leased animals must have a lease form uploaded to their 4-H Online profile by the deadline.
20. All livestock exhibitors are encouraged to participate in livestock interviews on the Monday of the fair.
21. Projects will be placed in blue, red, and white ribbon groups. Blue ribbon placings will not be awarded if the exhibits are not of blue-ribbon quality. Champion and reserve champion ribbons will be awarded at the discretion of the judge, depending on the amount and quality of exhibits.
22. Judging teams: Dairy, horse, general livestock, and rabbit judging team members may not participate in a state contest if they have taken work beyond high school or have been on a State Champion judging team.

State Fair Eligibility

1. Trips for State Fair, State Horse Show, and State Dog Show will be selected from blue ribbon exhibits only (see State Dog Show Rules for exceptions). Exhibit classes eligible for State Fair are marked with an asterisk *.
2. Members selected to represent the county at the State Fair and State Horse Show must have completed sixth grade. To be eligible for a livestock trip to the State Fair, 4-H'ers must have completed Livestock Quality Assurance Training. State Policy: All youth participating as a State Fair 4-H livestock exhibitor in beef, dairy, dairy goat, llama-alpaca, meat goat, poultry, rabbit, sheep and swine must have completed a livestock quality assurance training. There are two training options 1) a 3 hour in-person workshop (LQA&E), or 2) a 1 hour on-line training (YQCA). Youth completing either quality assurance training option will receive a certificate of completion.
3. Exhibitor must complete LQA training by August 1.
4. Along with their qualifying state fair exhibit trip(s), 4-H members may participate in activities such as Share-the-Fun, demonstrations, Arts-In, cooking events, animal science educational exhibits or judging teams.
5. [Competitive events, deadlines, consequences and exemption options](#). Every Minnesota 4-H member is eligible for a "one-time" member exemption. This exemption provides the ability (one-time in a 4-H member's career) for the 4-H member to acknowledge they missed a 4-H deadline related to enrollment or competitive event participation and waive the consequences for the named deadline. Exemptions may be used for county fair pre-entry registration requirements, but may not be used for State Fair trip sign-up deadlines.
6. 4-H youth who have been awarded a 4-H State Fair livestock trip through the local 4-H qualifying show must keep their designated trip animal on the county fairgrounds until the official release time to remain eligible for the 4-H State Fair trip. In the event that a youth/family requests an early release to travel/attend a national junior livestock show and education event, prior arrangements for early release must be made with and approved by the local 4-H staff, in partnership with the county fair board. Proof of national junior show participation (program with youth's name, printed class placing information) must be presented to local 4-H staff upon return to the county to maintain eligibility for the Minnesota State Fair 4-H livestock shows.

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7. 4-H youth that have been awarded a 4-H State Fair general project trip through the local 4-H qualifying show must keep their designated trip project on the county fairgrounds until the official release time to remain eligible for the 4-H State Fair trip.
 8. State Fair trips: 4-H'ers may take both livestock and general projects to the State Fair.
 9. State Fair projects: Exhibitors with items selected for State Fair which are exceptionally valuable, large, fragile, heavy, etc. will be asked to transport those items to the State Fair themselves.

Ribbon Premiums

Project Area	Blue	Red	White	Participation
Beef	\$7	\$6	\$5	
Cloverbud (livestock & general)				\$2
Club Banner, Scrapbook, and Community Pride	\$15	\$10	\$8	
Club Flower Box	\$30	\$20	\$10	
Dairy	\$7	\$6	\$5	
Dairy Production/Performance				\$2
Dairy Goat	\$5	\$4	\$3	
Demonstrations				\$2
Dog	\$4	\$3	\$2	
Fashion Revue				\$2
General Projects	\$3	\$2	\$1	
Horse	\$4	\$3	\$2	
Horseless Horse				\$2
Livestock Posters				\$2
Llama-Alpaca	\$5	\$4	\$3	
Llama-Alpaca Fiber				\$2
Meat Goat	\$5	\$4	\$3	
Poultry	\$4	\$3	\$2	
Rabbit	\$4	\$3	\$2	
Sheep	\$5	\$4	\$3	
Sheep - Fleece and Lamb Lead				\$2
Swine	\$5	\$4	\$3	

Herdsmanship

The purpose of 4-H herdsmanship is to help 4-H members make a presentable exhibit for the public and learn skills in courtesy, cooperation, neatness, and proper care of animals. Herdsmanship will be judged from 9-11 am and 4-6 pm during the fair. Ratings will be posted in the 4-H Building. Final results will be posted on the last day of the fair.

All 4-H clubs exhibiting livestock at the fair must have a club sign. All 4-H'ers must have a stall card at each pen or stall and ribbon stickers attached to each card in the given species. All species of livestock with 2 or more animals per species area will be included.

All animals shall be cared for using proper and ethical means. All 4-H'ers who use any kind of hair preparation products (glue, saddle soap, hair spray, etc.) on their animals for the show must wash and remove the products immediately after the show. No gasoline or gasoline motors may be in the barn by order of the fire marshal.

Herdsmanship Scoring

1=Poor | 2=Fair | 3=Good | 4=Very Good | 5=Excellent

1.	Show boxes, equipment, and chairs out of walkway	1	2	3	4	5
2.	No trash in sight- wrappers, cans etc	1	2	3	4	5
3.	Aisles swept clean, free of straw and manure	1	2	3	4	5
4.	Exhibitors showing good conduct- radios allowed, excess volume determined by judge; no running, horseplay, etc	1	2	3	4	5
5.	Bedding- dry, clean, and in place	1	2	3	4	5
6.	Manure hauled out and disposed of in proper place	1	2	3	4	5
7.	Animals are clean and free of manure	1	2	3	4	5
8.	Overall stall neatly arranged, including animal feed, stall cards, etc.	1	2	3	4	5
9.	Feed plans and water pans when present should be clean	1	2	3	4	5



4-H Livestock Ribbon Auction

The 4-H Ribbon Auction will be held on Saturday, August 10 starting at 9 a.m. in the Crane Pavilion. More information can be found at <https://z.umn.edu/MC-ribbon-auction>.

The rules for the Mower County 4-H Ribbon Auction are as follows:

Eligibility

- All 4-H members with a market livestock project that earn a grand champion, reserve champion, blue, or red ribbon with their project will be allowed to sell a ribbon for one animal.
- All breeding livestock and egg production exhibitors that show grand or reserve champion, or that earn and accept a state fair trip, will be eligible for the auction.
- Livestock species eligible for the auction: Beef, dairy, dairy goat, meat goat, llama/alpaca fiber (grand champion and reserve champion only), poultry, rabbit, sheep, swine.
- 4-H members will be limited to one (1) animal in the auction, regardless of if they have multiple champions.

Premium Payout

- Payouts: 60% of the premium will go to the 4-H member. 40% of the premium will go to Mower County 4-H.
- 4-H members must write thank you's for their buyers and turn them into the 4-H Office to receive their ribbon auction premium.

General Rules

- Registration: Participation in the Livestock Auction is strictly voluntary. You must register for the livestock auction at the 4-H Office in the 4-H Building no later than 11:30 a.m. on Friday during the County Fair.
- Any exhibitor receiving more than \$600 from the livestock auction will be required to submit a completed W-9 form to the Extension Office prior to receiving their check.
- All animals in the sale remain the property of the 4-H member. It is up to the 4-H member whether they sell that animal to a packer, take it to another livestock show, take it home, or sell it through private arrangements.
- Auction lists will be posted Saturday morning at the 4-H Office, Crane Pavilion, and in the livestock barns showing the sale order and the ribbon placing.
- Mower County 4-H will not be responsible for errors in clerking or settlement of sale.

State Fair Information

Mandatory State Fair Meeting - Saturday, August 10 at 2:00 p.m. in the Crane Pavilion

General and livestock project participants going to the State Fair must attend the State Fair meeting. Please come prepared to complete all paperwork and pay fees before you leave the meeting. If you have any questions on fees or scholarships, please check in with Extension staff before the meeting.

State Fair Encampment Dates

Livestock Encampment: August 21-25

General Encampment: August 31 - September 2

Llama-Alpaca: August 28-30

State Shoot (Shooting Sports): September 6-8

State Horse: September 13-16

State Dog Show: September 21-22

More information about 4-H at the Minnesota State Fair can be found at <https://extension.umn.edu/fairs-events-and-training/4-h-minnesota-state-fair>.

Additional Opportunities at the County Fair

- **Farm Bureau Photography Challenge Contest:** This event is sponsored by the Mower County Farm Bureau Federation. The theme is “Life on the Farm.” Register up to one exhibit with your other projects in FairEntry. This contest is not eligible for State Fair. First place: \$25, Second place: \$15, Third place: \$10
- **4-H Challenge Project 2024 - Grow Your Own Herbs**
 - Grow your own food by choosing to grow your favorite herb. Explore how to plant, water, fertilize, and prune your plant and how to manage weeds, insects, and diseases.
 - To help you get started, the 4-H office will provide you with a herb gardening starter kit. This kit is optional and free of charge to 4-H members. Learn more and request a kit at <https://z.umn.edu/MC-ChallengeProject> by **June 1**.
- **Barbeque Chicken Contest:** This contest is open to all 4-H’ers grades 6+ and will be held at 9:00 am on Friday, August 9 outside the 4-H Building. Sign up at <https://z.umn.edu/MC-BBQchicken>. The rules are listed below:
 - Contestants will be scored for cooking skills and sensory evaluation by four judges, per the National 4-H barbecue score sheets. One judge will be judging the cooking skills and three judges will taste and judge the sensory evaluation.
 - Each contestant will prepare two to three chicken halves provided by the contest organizers. (1 ¼ -1 ½ lbs. each)
 - There will be a 2 ½ hour time limit on the preparation and cooking of the chicken halves. You will give one half to the judges and save the second or third halves for yourself and the public to taste at the end of the cooking time.
 - Meat should be served at a safe temperature (165-degree F. or above). Meat that is not at a safe temperature will not be judged.
 - A barbecue grill, charcoal, and lighter fluid are provided for all the contestants. Contestants may bring in their own charcoal or lighter fluid. Not permitted is self-starting charcoal, automatic fire starter blocks, or propane torches.
 - All other equipment, cooking tools, meat thermometer, supplies, seasonings, and /or sauces must be furnished by the contestant. Sauce may be a commercial or private recipe. Recipes must be provided and displayed on the tables for judging on a full-size sheet of paper. Commercial devices for covering meat during cooking will not be permitted. Only aluminum foil and pans provided by the contest organizers may be used; remember browning is part of the sensory score sheet.
 - The chicken will not be available to the contestant until the start of judging.
 - A contestant may not inject any fluid or sauce into the chicken. The skin torn off is a deduction on the sensory evaluation.
 - Chicken halves may not be placed in baskets to aid in turning on the grill.
 - Each contestant will present one barbecued chicken half to the panel of judges after cooking. Aluminum pans and foil will be provided. No garnishes will be permitted on the chicken halves when submitted to the judges.
 - Contestants must be prepared and not receive assistance from others. The contest organizers may assist the contestant for learning purposes.
- **Bean Bag Tournament - Wednesday, August 7 at 8:00 p.m. in the Crane Pavilion**
 - An exciting opportunity for 4-H members to socialize and have fun during the county fair. Participants can compete on a team of two or register as an individual and we will assign you a partner for the tournament. Register at z.umn.edu/MC-beanbag
- **The Premier Exhibitor award** recognizes individuals who have excelled in their general project exhibits. Exhibitors will receive points for the ribbons they receive on their general project, and whoever gets the most points will win the Premier Exhibitor award. There will be a grand and reserve award for exhibitors in grades 3-5, grades 6-8, and grades 9+. Learn more at <https://z.umn.edu/mc-premier-exhibitor>.
- **Supreme Showmanship** is a fun competition where champion and reserve champion showmen are judged on their ability to show all species. Champion and Reserve Champion senior showmen for each species (beef, dairy, dairy goat, llama- alpaca, meat goat, poultry, rabbit, sheep, swine) are able to participate in Supreme Showmanship. If a senior showman is unable to participate, then the Champion Intermediate Showman can participate.

- Supreme Showmanship will be held on **Saturday, August 10 at 6:00 p.m. at the Crane Pavilion**. All eligible participants must confirm with the 4-H office if they will participate by **Saturday, August 10 at 12:00 p.m.**
- The **4-H Dance** will be held on **Saturday, August 10 at 8:30 p.m. at the Crane Pavilion**. Come celebrate the fair with other 4-H members! There will be a DJ as well as refreshments and prizes.

Cloverbuds

Cloverbud policies

- Cloverbuds are youth who have completed grades K-2.
- Cloverbud programs emphasize cooperative rather than competitive experiences—in accordance with our guidelines all cloverbuds will receive a participation ribbon, rather than the blue, red, white or champion ribbon.
- This is the **ONLY** division Cloverbuds may enter. Do not enter food in the “Food classes, enter in this division.
- We encourage Cloverbuds to review the project area requirements in the general project and animal science project areas to learn more about what would be required of their project when they reach 3rd grade.
- There are no State Fair trips in this division.

Exhibit suggestions

- Cloverbud general exhibits can be made at home, at a 4-H or non 4-H meeting or event.
- Animal Science posters could include how you care for your animal, animal breeds, fun things your animal can do, what your animal eats, etc.
- Review the [Cloverbud Information Sheet](#) to ensure the exhibit is developmentally appropriate and follows 4-H cloverbud policies.

Register Cloverbud exhibits in [FairEntry](#). All General Cloverbud exhibits will register in the Cloverbud Department. Livestock cloverbud exhibits will register in their respective species.

Cloverbud General Exhibit

Exhibit suggestions

- General exhibits could include: 3 cut flowers in a vase, a potted plant, vegetable or fruit art, a nutritious food snack (include a recipe card), a simple item you made for your home like a pillow, placemat, decoration, etc., rock collection, paper bag puppet, 4 interesting objects of nature, tree leaf collection, display of insects, simple craft item, or anything else you can think of. (Think about how your exhibit will be displayed at the fair, review the general project requirements within the specific project area for ideas for displaying or hanging your exhibits, poster or display sizes, etc.)

Cloverbud General Exhibit:

- Cloverbud - Clothing (Purchased, Constructed, Sewn Non Garment) (*one entry per exhibitor*)
- Cloverbud - Demonstration (*one entry per exhibitor*)
- Cloverbud - Fashion Revue (*one entry per exhibitor*)
- Cloverbud - Food Revue (*one entry per exhibitor*)
- Cloverbud - General Exhibit
- Cloverbud - Performing Arts (*one entry per exhibitor*)

Cloverbud Animal Science Exhibit

Cloverbud programs emphasize cooperative rather than competitive experiences—in accordance with our guidelines all cloverbuds will receive a participation ribbon, rather than the blue, red, white or champion ribbon.

Exhibit Suggestions:

- Cloverbud animal science areas include live animals or posters in the following Beef, Dairy, Dairy Goat, Horse, Llama & Alpaca, Meat Goat, Poultry, Rabbit, Sheep & Swine. Animal-related project areas must follow the [MN 4-H Cloverbud policy](#) that requires a responsible adult or older youth to handle the animal. This includes pet and livestock projects.

Cloverbud animal science participation at the Mower County Fair will be as follows

- Cloverbuds may exhibit animals at the fair.
- Cloverbuds are not required to ID animals in 4HOnline. Cloverbuds may show another 4-H'er's animal.
- Cloverbuds are required to register their entries in [FairEntry.com](#) by July 11.
- Cloverbuds will show in a separate Cloverbud class at the specie show. Cloverbuds are not eligible for showmanship.
- When Cloverbuds and animals are together at a 4-H program, families may choose one of two acceptable ways to guide and monitor involvement in non-mounted activities:
 - a. The responsible person is in control of the animal with the Cloverbud at their side.
 - b. The Cloverbud is in control of the animal with the responsible person at their side to assist or take control of the animal when needed or as directed by staff, volunteers or show managers.
 - c. In the horse project, the second option does not apply to mounted activities. When a Cloverbud is mounted on a horse, the horse must always have a lead line and be under the control of the responsible person.
- Cloverbuds in horse activities will be required to wear a helmet and follow animal control guidelines indicated above.
- See species for ID & health requirements.
- See additional [information](#) and rules on Cloverbud participation.
- There are no State Fair trips in this division.

Cloverbud Animal Science Classes

- Beef - Cloverbud
- Dairy - Cloverbud
- Dairy Goat - Cloverbud
- Dog - Cloverbud
- Horse - Cloverbud Barrels
- Horse - Cloverbud Western Pleasure
- Horse - Cloverbud Horse Showmanship
- Horse - Cloverbud Poster (*judged on entry day*)
- Llama-Alpaca - Cloverbud Costume
- Llama-Alpaca - Cloverbud Poster
- Llama-Alpaca - Cloverbud Showmanship
- Meat Goat - Cloverbud
- Pet - Cloverbud
- Poultry - Cloverbud
- Rabbit - Cloverbud
- Rabbit Cloverbud Poster
- Sheep - Cloverbud
- Sheep - Cloverbud Lamb Lead
- Swine - Cloverbud

Animal Science Projects

SCIENCE OF ANIMALS EDUCATIONAL EXHIBITS

HEALTH/BREEDING/PRODUCTION EXHIBIT

Beef
Dairy
Dairy Goat
Meat Goat
Poultry
Rabbits
Sheep
Swine

ZOONOTICS EXHIBIT

Beef
Dairy
Dairy Goat
Meat Goat
Poultry
Rabbits
Sheep
Swine

OTHER

Beef
Dairy
Dairy Goat
Meat Goat
Poultry
Rabbits
Sheep
Swine

Exhibit Suggestions:

- Items constructed (such as feeding systems or show equipment) or science exhibits focusing on one of the four divisions listed above.
- These projects may be enhanced with 3-dimensional displays, posters or notebooks

State Fair trips will be available. Exhibits will be judged during Livestock Encampment and 4-H'ers may exhibit both an animal (if awarded a trip from the county show) and a Science of Animal Educational Exhibit. NOTE: Llama-Alpaca, Poultry and Rabbit promotional and educational posters are an exhibit item at the state level and may be entered as a poster in each respective area.

INTERVIEWS AND SHOWMANSHIP

All 4-H'ers exhibiting animals at the fair are eligible--and highly encouraged--to participate in the interview and showmanship classes. 4-H'ers must show their own animals for showmanship.

ANIMAL SCIENCE INTERVIEWS

Judging: Monday, August 5, 3:00-8:00 p.m., Crane Pavilion

- All 4-H members showing animals are highly encouraged to participate in the interview class.

- Interviews are conducted by judges to determine the exhibitor’s knowledge of their project. Interview participants will be judged based on grade levels:
 - Beginner – completed grades 3-5
 - Intermediate – completed grades 6-8
 - Senior – completed grades 9+
- Register for interviews at <https://z.umn.edu/mower-livestock-interviews> in any or all species in which you are showing an animal.
- Animals are not brought to interviews.
- The interview finalists will be selected based on scores and announced during shows.

SHOWMANSHIP

Judging: At your show

- All 4-H members showing animals are highly encouraged to participate in the showmanship class. (The Cloverbud class in each species is similar to showmanship; therefore Cloverbuds do not participate in this showmanship class.)
- During showmanship, you will be judged on how well you lead the animal and you may be asked questions about your animal (how you care for it, what the different body parts are, etc.).
- Showmanship is a great opportunity to improve show ring skills and share their knowledge.
- Showmanship participants will be judged based on grade levels:
 - Beginner – completed grades 3-5
 - Intermediate – completed grades 6-8
 - Senior – completed grades 9+ (eligible for Supreme Showmanship Contest)
- Register in [FairEntry](#) for showmanship classes. You may also add showmanship classes at fair check-in.

SUPREME SHOWMANSHIP CONTEST

The Supreme Showmanship Contest will take place on **Saturday, August 10 at 6:00 p.m. at the Crane Pavilion.**

- The Champion and Reserve Champion in the senior showmanship class (grades 9+) of beef, dairy, dairy goat, llama-alpaca, meat goat, poultry, rabbit, sheep, swine can participate. A judge for each animal will ask the youth questions based on the animal they are showing. Youth will rotate until they have been judged on all animals. The totals will be calculated, and a Champion and Reserve Champion Supreme Showmanship winner will be announced.
- Participants from each animal species will bring their own animal. Animals must be tame. If alternate animals are needed, consult with Summer Intern.

Selection process

- If you are the Champion or Reserve Champion Senior Show person, you must indicate your participation by **Saturday, August 10 at 12:00 p.m. at the 4-H Office.**
- If a senior showman is unable to participate, then the Champion Intermediate Showman can participate.

BEEF

Superintendents: Joe Lunning & Steve Ivers

Youth Superintendents: Andrew Timm, Cassidy Shute, Cayden Goslee, Christopher Nieman, Clara Timm, Connor Goslee, Jenna Hetzel, and Marissa Shute

Beef Check In: Tuesday August 6, 9-11 a.m., Beef barn. Cloverbuds must check-in, but are not required to bring an animal through check-in.

Beef Pre-Show meeting: Tuesday, August 6 at 11 a.m.. - All beef exhibitors, including Cloverbuds.

Beef show: Wednesday, August 7 at 2:30 p.m. for Cow/Calf in their stalls and moving to Crane Pavilion immediately after for all other beef entries.

Birth Dates

Breeding heifer – Spring calf	January 1 – April 30, 2024
Breeding heifer – Fall calf	September 1 – December 31, 2023
Breeding heifer – Summer Yearling	May 1 – August 31, 2023
Breeding heifer – Junior Yearling	January 1 – April 30, 2023
Breeding heifer – Senior Yearling	September 1 - December 31, 2022
Cow/calf	Calves must be born between
January 1 - May 15, 2024	
Prospect market calves	January 1 – April 30, 2024
Market beef	January 1 – August 31, 2023
Dairy steers	January 1 – August 31, 2023

Beef Tie-Out Policy: Animals may be at the tie-outs between 8pm – 9am. If any 4-H member does not abide by this policy, there will be 20 points deducted from their club's herdsmanship scores that day.

All grooming of livestock including clipping, trimming, and blocking (all species), must be done by the exhibitor, members of the exhibitor's immediate family (parents, stepparents, legal guardians, Grandparents, brothers, sisters), and other enrolled 4-H'ers.

Fluid administration rule: The use of drenching, mechanical pumping devices, or other abnormal methods of administering water or fluids into animals will not be permitted. Administration of fluids for dehydration or other animal health reasons may be done only after receiving approval from a veterinarian and show management. Any exhibitor found in violation of this rule will be eliminated from further competition in the show and will not be eligible for any livestock awards, including championships, the 4-H auction, showmanship, or interview competition. Any exhibitor violating the above rules will not be eligible for trips, awards, premiums or 4-H Ribbon Auction

Market Steer or Market Heifer: All breeds will be shown together in weight classes as necessary.

Beef & Dairy Steers selected for State Fair trips will be mouthed for age at the County Fair to assure eligibility for State Fair. At the State Fair, steers with visible eruptions of two or more permanent teeth will be lowered one ribbon placing. They are not eligible for champion honors or the livestock auction.

BREEDING HEIFER

Three entries are allowed per exhibitor, one entry per class. In an effort to enlarge class sizes, a minimum of three entries per class must be met. If there are less than three, the animal will be moved to fill another breed class.

Requirements:

- Beef heifer & prospect calf ownership ID forms and/or lease agreements must be entered in 4-H Online by May 15.

Black Angus Breeding Heifer

Angus - Registered Purebred Spring Calf
Angus - Registered Purebred Fall Calf
Angus - Registered Purebred Summer Yearling
Angus - Registered Purebred Junior Yearling
Angus - Registered Purebred Senior Yearling

Charolais Breeding Heifer

Charolais - Purebred & Composite Spring Calf
Charolais - Purebred & Composite Fall Calf
Charolais - Purebred & Composite Summer Yearling
Charolais - Purebred & Composite Junior Yearling

Charolais - Purebred & Composite Senior Yearling

Commercial Breeding Heifer

Commercial - Grades & Crossbreds Spring Calf
Commercial - Grades & Crossbreds Fall Calf
Commercial - Grades & Crossbreds Summer Yearling
Commercial - Grades & Crossbreds Junior Yearling
Commercial - Grades & Crossbreds Senior Yearling

Hereford Breeding Heifer

Hereford - Registered Purebred Spring Calf
Hereford - Registered Purebred Fall Calf
Hereford - Registered Purebred Summer Yearling
Hereford - Registered Purebred Junior Yearling
Hereford - Registered Purebred Senior Yearling

Maine Anjou Breeding Heifer

Maine Anjou - Registered (1/4 or more) Spring Calf
Maine Anjou - Registered (1/4 or more) Fall Calf
Maine Anjou - Registered (1/4 or more) Summer Yearling
Maine Anjou - Registered (1/4 or more) Junior Yearling
Maine Anjou - Registered (1/4 or more) Senior Yearling

COW AND CALF

Beef - Cow/Calf

In order to be eligible for a State Fair trip for a weaned calf, or cow and unweaned calf, calves must be born between January 1 - May 15, 2024. Cow and calf must be ID'd in 4H Online by May 15. At the State Fair, cow and calf entries will be stalled with county beef exhibits, and must be familiar with tie-in stalls. Cow and calf pairs may be shown together (includes bull, steer, or heifer calves), or only calves may be shown in prospect calf class (steer and heifer calves). Calves need to have proper identification and registration papers if shown in a purebred class at the State Fair.

Commercial cow/calf entries must have a State 4-H ear tag in the cow and the calf. Registered cow/calf entries must be tattooed and have registration papers at the county fair.

PROSPECT CALF

Beef - Heifer Calf
Beef - Steer Calf
Beef - Dairy Steer Calf

Three entries are allowed, one per class.

Prospect calves must have a 4-H ear tag, even if registered.

All beef and dairy prospect calves must be castrated to show at the Mower County Fair. Beef bull calves can be shown alongside their dam in the cow/calf class but CANNOT be shown in the prospect class.

MARKET BEEF

Beef - Market Steer (*Two entries per exhibitor*)
Beef - Market Heifer (*One entry per exhibitor*)

Requirements:

- Recommended minimum weight for State Fair is 1,000 pounds, recommended maximum weight is 1,500 pounds.

Shorthorn Breeding Heifer

Shorthorn - Purebred & Shorthorn Plus Spring Calf
Shorthorn - Purebred & Shorthorn Plus Fall Calf
Shorthorn - Purebred & Shorthorn Plus Summer Yearling
Shorthorn - Purebred & Shorthorn Plus Junior Yearling
Shorthorn - Purebred & Shorthorn Plus Senior Yearling

Simmental Breeding Heifer

Simmental - Purebred & Foundation Spring Calf
Simmental - Purebred & Foundation Fall Calf
Simmental - Purebred & Foundation Summer Yearling
Simmental - Purebred & Foundation Junior Yearling
Simmental - Purebred & Foundation Senior Yearling

All Other Breeds (AOB) Breeding Heifer

AOB - Registered Spring Calf
AOB - Registered Fall Calf
AOB - Registered Summer Yearling
AOB - Registered Junior Yearling
AOB - Registered Senior Yearling

DAIRY STEER

Beef - Purebred Dairy Steer

Beef - Crossbred Dairy Steer

Two entries per exhibitor.

Requirements:

- Recommended minimum weight for State Fair is 1,000 pounds; recommended maximum weight is 1,600 pounds. Pure Breed Dairy Steers must be 100% dairy breed. The following breeds will be accepted without registration papers: Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey. Milking Shorthorn dairy steers must be registered with the American Milking Shorthorn Society and not carry the "S" suffix.
- Dairy Steers showing permanent teeth may be shown, but they can place no higher than a red ribbon and they will not be eligible for State Fair or auction.
- Crossbred Dairy Steers must be at least 50% from the acceptable breeds listed for the Pure Breed Dairy Steer division, with the balance being from any other beef or dairy breed; however, the steers must show adequate dairy steer characteristics, as determined by the screening committee. Exhibitors should be prepared to identify the breeds of their crossbred dairy steer.

BEEF INTERVIEW

Grades 3-5

Grades 6-8

Grades 9+

BEEF SHOWMANSHIP

Grades 3-5

Grades 6-8

Grades 9+

BEEF CLOVERBUD

Beef - Cloverbud

DAIRY

Superintendent: Julia Mullenbach

Youth Superintendents: Kiley Koenigs and Meryn Silbaugh

Dairy Check In: Tuesday, August 6 at 3 p.m. in the dairy stalls

Dairy Show: Wednesday, August 7 at 9 a.m. in the Crane Pavilion North Arena

Due to lack of a market, there will be no county fair milk checks for dairy exhibitors.

Birthdates

Spring Calf

March 1, 2024 - May 31, 2024

Winter calf

December 1, 2023 – February 29, 2024

Fall calf

September 1 – November 30, 2023

Summer yearling

June 1 – August 31, 2023

Spring yearling

March 1 – May 31, 2023

Winter yearling

December 1, 2022 – February 28, 2023

Fall yearling

September 1 – November 30, 2022

Milking Yearling
form

Born Sept 1, 2022 or later that has freshened & in milking

Junior two year old

March 1 – August 31, 2022

Senior two year old

September 1, 2021 – February 28, 2022

Three year old cows

September 1, 2020 – August 31, 2021

Four year old cows

September 1, 2019 – August 31, 2020

Aged cow

Dry cow

Brown Swiss Registered & Grade

Brown Swiss - Spring (Junior) Calf

Brown Swiss - Winter Calf

Brown Swiss - Fall Calf

Brown Swiss - Summer Jr. Yearling

Brown Swiss - Spring Jr. Yearling

Brown Swiss - Winter Sr. Yearling

Brown Swiss - Fall Sr. Yearling

Brown Swiss - Milking Yearling

Brown Swiss - Jr. Two-Year-Old Cow

Brown Swiss - Sr. Two-Year-Old Cow

Brown Swiss - Three-Year-Old Cow

Brown Swiss - Four-Year-Old Cow

Brown Swiss - Five-Year-Old and Older Cow

Brown Swiss - Dry Cow

Guernsey Registered & Grade

Guernsey - Spring (Junior) Calf

Guernsey - Winter Calf

Guernsey - Fall Calf

Guernsey - Summer Jr. Yearling

Guernsey - Spring Jr. Yearling

Guernsey - Winter Sr. Yearling

Guernsey - Fall Sr. Yearling

Guernsey - Milking Yearling

Guernsey - Jr. Two-Year-Old Cow

Guernsey - Sr. Two-Year-Old Cow

Guernsey - Three-Year-Old Cow

Guernsey - Four-Year-Old Cow

Guernsey - Five-Year-Old and Older Cow

Guernsey - Dry Cow

Holstein Registered & Grade

Holstein - Spring (Junior) Calf

Holstein - Winter Calf

Holstein - Fall Calf

Holstein - Summer Jr. Yearling

Holstein - Spring Jr. Yearling

Holstein - Winter Sr. Yearling

Holstein - Fall Sr. Yearling

Holstein - Milking Yearling

Holstein - Jr. Two-Year-Old Cow

Holstein - Sr. Two-Year-Old Cow

Holstein - Three-Year-Old Cow

Holstein - Four-Year-Old Cow

Holstein - Five-Year-Old and Older Cow

Holstein - Dry Cow

Jersey Registered & Grade

Born before September 1, 2019

Dry cow of any age

Jersey - Spring (Junior) Calf

Jersey - Winter Calf

Jersey - Fall Calf

Jersey - Summer Jr. Yearling

Jersey - Spring Jr. Yearling

Jersey - Winter Sr. Yearling

Jersey - Fall Sr. Yearling

Jersey - Milking Yearling

Jersey - Jr. Two-Year-Old Cow

Jersey - Sr. Two-Year-Old Cow

Jersey - Three-Year-Old Cow

Jersey - Four-Year-Old Cow

Jersey - Five-Year-Old and Older Cow

Jersey - Dry Cow

Red & White Registered

Red & White - Spring (Junior) Calf

Red & White - Winter Calf

Red & White - Fall Calf

Red & White - Summer Jr. Yearling

Red & White - Spring Jr. Yearling

Red & White - Winter Sr. Yearling

Red & White - Fall Sr. Yearling

Red & White - Milking Yearling

Red & White - Jr. Two-Year-Old Cow

Red & White - Sr. Two-Year-Old Cow

Red & White - Three-Year-Old Cow

Red & White - Four-Year-Old Cow

Red & White - Five-Year-Old and Older Cow

Red & White - Dry Cow

Crossbreeds and Other Breeds

Crossbreeds and Other Breeds - Spring (Junior) Calf

Crossbreeds and Other Breeds - Winter Calf

Crossbreeds and Other Breeds - Fall Calf

Crossbreeds and Other Breeds - Summer Jr. Yearling

Crossbreeds and Other Breeds - Spring Jr. Yearling

Crossbreeds and Other Breeds - Winter Sr. Yearling

Crossbreeds and Other Breeds - Fall Sr. Yearling

Crossbreeds and Other Breeds - Milking Yearling

Crossbreeds and Other Breeds - Jr. Two-Year-Old Cow

Crossbreeds and Other Breeds - Sr. Two-Year-Old Cow

Crossbreeds and Other Breeds - Three-Year-Old Cow

Crossbreeds and Other Breeds - Four-Year-Old Cow

Crossbreeds and Other Breeds - Five-Year-Old and Older Cow

Crossbreeds and Other Breeds - Dry Cow

Requirements:

- Senior Yearlings that have calved must compete in the two-year-old cow class. This must be the same animal that takes the trip to the State Fair.

JUNIOR DAIRY HERD

Three entries per exhibitor.

Entries must be owned by the exhibitor. Animals must be shown in individual classes and at least one must be in production or have a production record.

DAIRY PERFORMANCE (TOTAL MERIT)

Entries are limited to those animals 3 years old or younger that have not yet milked for 305 days or have not completed a production record with less than 305 days in milk. Other animals should be entered in the dairy production class.

Sire Information:

- Heifers entered must be sired by a bull with published Predicted Transmitting Ability Dollar Value (PTA\$) or by a Young A.I. bull with a Pedigree Index (A Pedigree Index will have an "*" printed next to the dollar value on the DHI Report).
- Sire values may be found on the DHI Young Stock Genetic Evaluation, DHI Reproduction Report, or an A.I. sire book.
- Sire should be identified by A. I. code and registration number.

Dam Information:

- The dam must have an Estimated Transmitting Ability Dollar value (ETA\$).
- Dam ETA\$ may be found on the DHI Young Stock Genetic Evaluation or Milking Cow Genetic Evaluation Report information from the herd where the dam's record was made.
- Dam should be identified with DHI herd code, computer number, registration or 9-digit ear tag number, and barn name.
- Provide the mail date of the genetic evaluation from which the information was obtained.

Ranking:

- Heifers will be ranked on Genetic Index dollar value (GI\$), calculated using the formula: $GI\$ = (\text{Sire PTA\$} + \text{Dam ETA\$}) - 2$

DAIRY PRODUCTION RECORD

- Entry: Limited to animals with an official DHI record
- Cows must have at least 305 days in milk. First lactation animals with less than 305 days in milk should be entered in Dairy Genetics Class.
- Cows should be identified with DHI herd code, computer number, registration or 9-digit ear tag number, and barn name. Provide the calving date of the cow's production record as well as the 2-digit type test code.
- Ranking will be based on the combined dollar value of milk, fat, and protein.
- Dairy Production/Genetics Forms must be turned in by July 11. Genetics forms for calves & yearlings can be found [HERE](#). Genetics forms for cows can be found [HERE](#). Dairy Genetics information can be found [HERE](#).

DAIRY INTERVIEW

Grades 3-5

Grades 6-8

Grades 9+

DAIRY SHOWMANSHIP

Grades 3-5

Grades 6-8

Grades 9+

DAIRY CLOVERBUD

Dairy - Cloverbud

DAIRY GOAT

Superintendent: Jake Thompson

Check In/Weigh In: Monday, August 5, 5-7 pm, Goat Barn

Dairy Goat Show: Wednesday, August 7, starting at 12:30 pm in the Crane Pavilion.

Goat Agility and Costume Contest: Friday, August 9, starting at 10 am in front of the goat barn. No pre-registration is required. Both meat and dairy goat project members are welcome to participate!

A tattoo is required for identification for all dairy goats.

BIRTH DATES:

Junior Kid Doe	April 1 – June 30, 2024
Senior Kid Doe	January 1 – March 31, 2024
Dry Yearling Doe (never kidded)	January 1 – December 31, 2023
Milking Yearling Doe	January 1 – December 31, 2023
Milking Two Year Old Doe	January 1 – December 31, 2022
Milking Doe - 3 Years and under 5 Years born in 2020 or 2021	
Milking Doe - 5 Years and older	born before 2020

DAIRY GOAT

Dairy Goat Jr. Doe Kid

Dairy Goat Sr. Doe Kid

Dairy Goat - Dry Yearling Doe

Dairy Goat - Milking Yearling Doe

Dairy Goat - Milking 2 Year Old Doe

Dairy Goat - Milking 3 - 4 Year Old Doe

Dairy Goat - Milking 5+ Year Old Doe

NOTE: For safety reasons all dairy goats must be dis-budded/dehorned. Regrowth of less than ONE INCH allowed.

DAIRY GOAT INTERVIEWS

Grades 3-5

Grades 6-8

Grades 9+

DAIRY GOAT SHOWMANSHIP

Grades 3-5

Grades 6-8

Grades 9+

DAIRY GOAT CLOVERBUD

Dairy Goat - Cloverbud

DOG

Superintendent: Laurie Zoecklein

Assistant Superintendents: Mary Allen & Tysha Allen

Dog check in: Stop by the 4-H Building on Monday, August 5 to pick up your exhibitor packets.

Dog Show: Sunday, August 11 in the Crane Pavilion starting with agility at 9:00 a.m.

A dog may be shown in the dog show or the pet show, not both. Additional information, class requirements, and rules/regulations can be found in the Minnesota 4-H [Agility](#), [Obedience](#), [Rally](#) and [Showmanship](#) rules and guidelines which are available on the 4-H dog project website: <https://extension.umn.edu/4-h-animal-science-projects/4-h-dog-project>. 4-H'ers will exhibit in the classes corresponding to the level of training they and their dog have received.

Pre-Agility

First year dog project members may participate in Pre-Agility without needing to meet the Beginner class prerequisites. A county may choose to offer a Pre-Agility "B" class if they wish for dogs who are in their second year of Pre-Agility (did not meet the prerequisites to get into Beginner Agility, or did not attend the required 6 beginner agility classes before their county fair to be able to show in Beginner agility or who wish to show in Pre-Agility off leash).

Dog - Jumpers Limited

AGILITY

Dog - Agility Beginner under 16 inches
Dog - Agility Beginner over 16 inches
Dog - Agility Elementary under 16 inches
Dog - Agility Elementary over 16 inches
Dog - Agility Intermediate under 16 inches
Dog - Agility Intermediate over 16 inches
Dog - Agility Senior Agility under 16 inches
Dog - Agility Senior Agility over 16 inches
Dog - Agility Advanced Agility under 16 inches
Dog - Agility Advanced Agility over 16 inches
Dog - Limited Agility

JUMPERS

Dog - Jumpers 1A under 16 inches
Dog - Jumpers 1A over 16 inches
Dog - Jumpers 1B under 16 inches
Dog - Jumpers 1B over 16 inches
Dog - Jumpers 2 under 16 inches
Dog - Jumpers 3 under 16 inches
Dog - Jumpers 3 over 16 inches

Obedience Brace

4-H'ers participating in this class must have two dogs of their own or borrow/lease a dog if they do not have two dogs of their own. (A third dog may not be used for Brace.) No particular level of training is required or prohibited in this class. The Graduate Beginner score sheet will be used for judging. A 4-H'er may participate in this class indefinitely

Obedience 4 Dog Team

This class is for 4-H'ers wishing to work together in training their dogs to perform as a unit of four. No particular level of training is required or prohibited in this class. Exercises include heel on-leash & figure eight, stand for exam off-leash, team uniformity, recall off-leash, and long sit/down off-leash. Dogs will be called simultaneously.

The Four Dog Team score sheet will be used for judging. A 4-H'er and/or dog can only participate on one Four-Dog Team per year. One alternate is allowed to be named if the team desires. The alternate must be named at the county fair or qualifying show. The five names may be registered as exhibitors, as long as one of the five names is listed as the alternate. 4-H'ers may only be listed on one team each year. No other substitutions may be made. For teams qualifying for the State Dog Show, the registration fee is charged for four exhibitors. The named alternate may compete in place of one of the original four team members.

DOG SHOWMANSHIP

Dog - Showmanship Novice Junior
Dog - Showmanship Open Junior
Dog - Showmanship Novice Senior
Dog - Showmanship Open Senior
Dog - Showmanship Excellent

DOG RALLY

Dog - Rally Foundation
Dog - Rally Pre-Novice
Dog - Rally Novice
Dog - Rally Pre-Advanced
Dog - Rally Advanced
Dog - Rally Excellent
Dog - Rally Veterans

The veterans level course will consist of 12-15 stations, with 3-5 stationary stations from Foundation through Advanced, with the exception of #103-Send Over Jump-Handler Passes By and sign number 35A-Call Front-Back to Dog.

DOG OBEDIENCE

Dog - Obedience Foundation Class
Dog - Obedience Beginner
Dog - Obedience Graduate Beginner
Dog - Obedience Novice
Dog - Obedience Graduate Novice
Dog - Obedience Pre-Open
Dog - Obedience Open
Dog - Obedience Graduate Open
Dog - Obedience Pre-Utility
Dog - Obedience Utility
Dog - Obedience Veterans

Novice: For 4-H members who have earned less than any of the following:

- Two blue ribbons in 4-H Novice Dog Showmanship at a county or state level
- Two champion ribbon equivalents in another dog organization
- A combination of one 4-H Novice Dog Showmanship blue ribbon and one champion ribbon equivalent in another dog organization

If a 4-H'er gets a blue ribbon at the county and state shows in the same year, that will count as only one blue ribbon toward the total of two.

Open: For 4-H members who have earned the equivalent of two blue ribbons at the 4-H Novice Dog Showmanship level. A handler may stay at this level until they have earned any of the following in the Open class:

- Three (3) Grand or Reserve Champions in the Open class at a county show with four or more youth in the class
- Two (2) Grand or Reserve Champions at the MN 4-H State Dog Show in the Open class
- Three (3) champion ribbon equivalents in another dog organization after completing the Novice class
- Two (2) Grand or Reserve Champions in the Open class at a county show with four or more youth and either one (1) Grand or Reserve Champion in the Open class at the State Dog Show or one (1) champion ribbon equivalent in another dog organization earned after completing the Novice class
- One (1) Grand or Reserve Champion in the Open class at the 4-H State Dog Show and one (1) champion ribbon equivalent in another dog organization after completing the Novice class

A member can participate in only one dog [Showmanship](#) Class (see MN 4-H State Dog Show program for showmanship guidelines). 4-H'ers in grade 3 and up are eligible for county and state fair.

DOG INTERVIEW

Grades 3-5

Grades 6-8

Grades 9+

DOG CLOVERBUD

Dog - Cloverbud

HORSE

Adult PDC Members: Paige Wolters, Stacy Mason, and Teresa Slowinski

Youth PDC Members: Amy Smith, Clara Thompson, Erika Hollerud, Halle Burke, Layne Merten, Nevaeh Slowinski, and Ty Sampson

Mower County Qualifying Horse Show: Saturday, August 3 at 8:00 am in the Horse arena. In case of inclement weather, make up dates are Tuesday Fun show and/or Wednesday/Thursday before the open show.

Check In: starts on Monday, August 5 at 12:00 pm (noon) and ends Tuesday, August 6 at 12:00 pm (noon).

Horse Fun Show: Tuesday, August 6 at 4:00 pm

Horse Release: Thursday, August 8 from 8 - 10:30 am

In case of any conflict, the [MN 4-H Horse Program Rule Book](#) will take precedence.

HORSE HELMET POLICY

All 4-H'ers participating in any 4-H-sponsored, mounted activity are **required** to wear properly fastened, ASTM/SEI approved protective headgear. Helmet use is required when mounted. This policy also extends to 4-H volunteers when they are working with 4-H youth in a 4-H volunteer role during mounted activities. Additional information can be found on the [Horse project page \(z.umn.edu/4HHorseProject\)](http://z.umn.edu/4HHorseProject)

CLASSES

Classes may be combined or split depending on the number of entries.

Horse Training (Steps 1-6)
 Horse Showmanship
 English (Hunt Seat) Pleasure
 English (Hunt Seat) Equitation
 Saddle Seat Pleasure
 Saddle Seat Equitation
 Western Pleasure
 Ranch Pleasure
 Western Horsemanship, All Gaits
 Trail Class
 Barrel Race
 Jumping Figure 8
 Key Race
 Pole Weaving

Age Groups judged within each class
 Grades 3 to 5
 Grades 6 to 8
 Grades 9+

GRAND & RESERVE CHAMPIONS & STATE TRIP DETERMINATION

Mower County uses the 6-point system. Points are earned for the combination of horse and rider. No red or white ribbons earn points.

1st blue	6 points
2nd blue	5 points
3rd blue	4 points
4th blue	3 points
5th blue	2 points
6th blue	1 point
7th & up	0 points

Point allocation for games/performance:

All participants in a discipline compete together within age groups. State trips (for grades 6+) will be distributed evenly for games and performance. If we have an odd number of trips, the top horse/rider overall gets the odd number trip.

TIE BREAKERS

If a tie breaker is required, the following process would be used.

1. Person with the most 1st place awards
2. Person with the most 2nd place awards
3. Person with the most 3rd place awards
4. If they were all equal, their names would be put in a hat and someone would draw the Champion / State Show participants.

HORSE INTERVIEW

Grades 3-5

Grades 6-8

Grades 9+

HORSE CLOVERBUD

Horse - Cloverbud Cloverleaf Barrels

Horse - Cloverbud Western Pleasure

Horse - Cloverbud Horse Showmanship

Horse – Cloverbud Poster (*judged on entry day*)

HORSE TRAINING PROGRAM

Horse - Training Steps 1 -6*

HORSE ACHIEVEMENT

Horse Achievement Level 6*

*Training and Achievement Books must be completed and signed prior to the show. You must bring your booklets on the day of the show.

HORSE RELATED

Horse Related offers the opportunity to study and learn about different facets of the horse project if you own a horse. (You do not need to show a horse to be in the horse related project). Horse related projects will be judged on entry day: Monday, August 5.

Requirements:

- Must be enrolled in the Horse project to exhibit in this division
- Exhibit may be a model, poster, scrapbook, essay, and/or article. The exhibit should show or explain something the 4-H member has made, done, or learned in the project
- Horse related projects will be judged on the Monday of the fair with the general project entries.

CHALLENGED RIDER CLASSES

Horse - Assisted: Flat Class-Western or English Equitation, walk, trot with volunteer/mentors as needed

Horse - Assisted: Obstacle Game Class, Key Hole pattern, walk, trot with volunteer/mentors as needed

Horse - Unassisted: Flat Class-Western or English Equitation, walk, trot, unassisted (spotter requested)

Horse - Unassisted: Obstacle Game Class, Key Hole pattern, walk, trot, unassisted (spotter requested)

HORSELESS HORSE EXHIBIT

Horse - Horseless Horse, Grades 6+

Horse - Horseless Horse, Grades 3-5

Requirement:

- Exhibits may be a model, poster, scrapbook, essay, and/or article. The exhibit should show or explain something the 4-H member has made, done, or learned in the project.
- Exhibits are conference judged with the exhibitor present.
- This exhibit area is for youth who do not own or lease a horse. Youth should exhibit in this category if they participate in the horseless horse program with a mentor horse. If they do own or lease their own horse, they may exhibit the same style exhibit in the Horse Related area.

HORSELESS HORSE SKILLS CLASS


Horse - Horseless Horse Level 1, Grades 6+

Horse – Horseless Horse Level 1, Grades 3-5

Horse - Horseless Horse Level 2, Grades 6+

Horse – Horseless Horse Level 2, Grades 3-5

Requirement

- 
- Youth will complete a level in the [horseless horse booklet](#) prior to the show. The booklet will include answering knowledge questions and learning hands-on skills. An example of a knowledge question would be to list 4 breeds of horses and describe their uses. An example of a skill to demonstrate would describe and demonstrate how to properly back a horse on the halter 4 steps.
 - The booklet must be signed prior to the show by a Horseless Horse Volunteer, Mentor or 4-H Extension Staff attesting to that the youth has completed the booklet, can complete the skills and is prepared for the judging experience.
 - Youth can only test and exhibit one level per year.
 - They will use a mentor's horse in the ring. The horse will be used to aid in answering the judges questions and demonstrating skills.
 - Youth will demonstrate and interview one-on-one with the judge, on exhibitor at a time.
 - The judging will be a combination of demonstrating these skills and answering interview questions from the judge. The judge will select a number of skills and knowledge based questions related to the booklet (not all of them).

LLAMA-ALPACA

Superintendents: Sara Silbaugh and Shannon Anderson

Youth Superintendent: Meryn Silbaugh

Animal entry: Thursday, August 8, 12 pm - 2 pm

Check In: Thursday, August 8, 2 pm

Fiber judging: Thursday, August 8, 2 pm

Llama/Alpaca show: Friday, August 9 starting at 3 p.m. in the Crane Pavilion

The animal shown in showmanship is the animal that is eligible for State Fair.

All llamas - alpacas need to be dewormed 7 days prior to the fair check-in date. NOTE: 4-H'ers who participate in the Llama - Alpaca Costume Contest at the State Fair will receive a cash award. These payments are made in October. 4-H'ers must be grade eligible to participate at the State Fair.

BIRTHDATES

- 4-H Llama - Alpaca Projects must be born prior to January 1, 2024.

GENDER

- No sexually intact male above 18 months is eligible for exhibition.
- 4-H Llama - Alpaca projects must be born prior to January 1, 2024.
- No companion animals (no buddies and no nursing mothers allowed)

LLAMA - ALPACA SHOW

Llama-Alpaca - Costume

Llama-Alpaca - Obstacle Course

Llama-Alpaca - Public Relations

Llama-Alpaca - Showmanship

LLAMA-ALPACA EDUCATIONAL

Llama - Alpaca Poster

- Educational or promotional poster may be selected to advance to the state fair. See state fair poster requirements under Llama -Alpaca information.
- Posters must be 22" wide x 28" high

Llama-Alpaca Fiber: Fiber will be judged after check in on **Thursday, August 8.**

- Fibers must be submitted in a gallon sized bag with the [ILR form](#). Bring the fiber sample(s) with you on check in day.
- Two fibers from two different animals may be submitted, but both animals must be shown at the county fair. Only the Showmanship animal can be in the fiber auction.
- Llama - Alpaca fiber is required for eligibility for the county fair ribbon auction. The grand champion and reserve champion fiber will be eligible for the ribbon auction.
- Only animals going to State Fair can bring their fiber to the State Fair.

LLAMA - ALPACA INTERVIEW

Grades 3-5

Grades 6-8

Grades 9+

LLAMA-ALPACA CLOVERBUD

Llama-Alpaca - Cloverbud Costume
Llama-Alpaca - Cloverbud Poster
Llama-Alpaca - Cloverbud Showmanship

MEAT GOAT

Superintendent: Amie Klouse

Youth Superintendent: Maddison Hoelsing

Check In/Weigh In: Monday, August 5, 5-7 pm, Goat Barn

Meat Goat Show: Wednesday, August 7 starting at 4:00 pm in Crane Pavilion.

Goat Agility and Costume Contest: Friday, August 9 starting at 10 am in front of the goat barn. No pre-registration is required. Both meat and dairy goat project members are welcome to participate!

NOTE: For safety reasons all meat goats must be dis-budded/dehorned. Regrowth of less than ONE INCH is allowed.

BIRTH DATES:

Market goat

Meat market goat (wether)	Dec 1, 2023 – April 30, 2024
Meat market goat (doe)	Dec 1, 2023 – April 30, 2024
Dairy market goat (wether)	Dec 1, 2023 – April 30, 2024

Meat goat breeding does

Senior yearling meat breeding doe (never kidded) Sept 1, 2022 – Feb 28, 2023

Junior yearling meat breeding doe (never kidded) March 1, 2023 – May 31, 2023

Fall yearling meat breeding doe (never kidded) June 1, 2023 – Nov 30, 2023

Senior meat breeding doe kid Dec 1, 2023 – Feb 29, 2024

Junior meat breeding doe kid Mar 1, 2024 – May 31, 2024

NOTE: Pygmy Goats are classed as Meat Goats

MARKET GOAT

Meat Market Goat - Wether

Meat Market Goat - Doe

Dairy Market Goat - Wether

Two entries per exhibitor.

MEAT GOAT BREEDING DOE

Meat Goat - Senior Yearling Breeding Doe, registered or grade (never kidded)

Meat Goat - Junior Yearling Breeding Doe, registered or grade (never kidded)

Meat Goat – Fall Yearling Breeding Doe, registered or grade (never kidded)

Meat Goat – Senior Meat Breeding Doe Kid, registered or grade

Meat Goat – Junior Meat Breeding Doe Kid, registered or grade

Two entries per exhibitor.

Requirements:

- Market animals must be a minimum of 40 pounds, but not to exceed a maximum of 110 pounds by the State Fair.
- Market wethers must be disbudded/de-horned. Re-growth must not exceed one inch. Cut (sawed) off horns are not permitted
- Meat breeding does and market does may have horns and they do not need to be capped or blunted.

MEAT GOAT INTERVIEWS

Grades 3-5

Grades 6-8
Grades 9+

MEAT GOAT SHOWMANSHIP

Grades 3-5
Grades 6-8
Grades 9+

MEAT GOAT CLOVERBUD

Meat Goat - Cloverbud

POULTRY

Superintendent: Richard Andree

Youth Superintendents: Lydia Drees and Reuben Drees

Check In: Poultry Barn will be open Monday, August 5 from 4-7 pm & Tuesday, August 6 from 8 am until 12 pm

Poultry show: Wednesday, August 7 starting at 9 am in the Poultry Barn

Poultry barn set up is at 6 p.m. on July 28 with showmanship and washing clinic to follow.

All poultry (except waterfowl and pigeons) must have an official form identifying the fowl by leg or wing band as having had a Pullorum-Typhoid negative test within 90 days or official form showing they originate directly from a parent flock tested and found negative within 12 months. All birds must be leg banded, which can be done during check-in.

Registration for the fair must be done by July 11 in FairEntry.com. A State of Origin Paper must be turned into the Mower County Extension Office by July 11. Please bring an extra copy with you on entry day.

Market pens are eligible for the 4-H Livestock Ribbon Auction. All egg production and breeding exhibitors that show grand or reserve champion, or that earn and accept a state fair trip, will be eligible for the auction.

CHICKENS

Two entries per lot

Chickens - Market pen of two males or two females

Chickens - Breeding pen of one male & two females

Chickens - Bantam Breeding pen of one male & two females

Chickens - Egg production pen of two pullets, White egg layers

Chickens - Egg production pen of two pullets, Brown egg layers

DOVES

Doves - Purebred breeding pair

DUCKS

Ducks - Market pen of two males or two females

Ducks - Breeding pen of one male & two females

Ducks - Bantam Breeding pen of one male & two females

GEESE

Geese - Market pen of two males or two females

Geese - Breeding pen of one male & two females

GUINEA

Guinea - Market pen of two males or two females - same variety

Guinea - Breeding pen of one male & two females - same variety

Note: ONLY Pearl, White, and Lavender varieties can be shown in breeding.

PIGEONS

Pigeons - Utility, 1 Breeding Pair

Pigeons - Utility, 1 Young bird Male or Female, 1 young bird, this year band

Pigeons - Fancy, 1 Breeding Pair

Pigeons - Fancy, Young bird Male or Female, 1 young bird, this year band

Pigeons - Flying, 1 Breeding Pair

Pigeons - Flying, Young bird Male or Female, 1 young bird, this year band

Note: All pigeons must have a seamless leg band.

TURKEYS - Domestic only

Turkeys - Domestic Only - Market pen of two males or two females

Turkeys - Domestic Only - Breeding pen of one male & two females

SHOW AND HOBBY (Not eligible for State Fair)

Show and Hobby - One bird, male or female, any species or age

Requirements for Show and Hobby:

- Exhibitor may show one bird not shown in another class
- Judging will be on 4-H'er's knowledge of the bird's care and well-being.
- This is not an eligible class for the Ribbon Auction.

POULTRY INTERVIEW

Grades 3-5

Grades 6-8

Grades 9+

POULTRY SHOWMANSHIP

Grades 3-5

Grades 6-8

Grades 9+

POULTRY POSTER

Educational or promotional posters may be selected to advance to the state fair. See state fair poster requirements in the Poultry Information Sheet. Posters do not need to be exhibited at the county fair to advance to the State Fair. Poster size no larger than 14" x 22".

POULTRY CLOVERBUD

Poultry - Cloverbud - One bird, male or female, any age (*one entry*)

Poultry - Cloverbud Poster

CHICKEN BBQ CONTEST

This contest is open to all 4-H'ers grades 6+ and will be held at 9:00 am on Friday, August 9 outside the 4-H Building. Sign up at <https://z.umn.edu/MC-BBQchicken>. View the "Additional Opportunities at the County Fair" section for more information.

COUNTY FAIR REMINDERS

- Families are required to feed and clean their own poultry pens daily.
- Families are asked to sign up for a shift to monitor the poultry barn.
- Families are encouraged to donate a bag of shavings for the fair.

RABBITS

Superintendents: Diane Stundahl & Steffanie Stundahl

Youth Superintendents: Haylie Meyer and Renae Clark

Check In: All rabbits and posters must be checked in and in place in the rabbit barn between 2-7 pm on Monday, August 5th

Rabbit show: Tuesday, August 6 starting at 8:30 am in the Rabbit Barn.

ENTRY LIMITS

Members may exhibit only one rabbit in each class in each breed for a limit of 12 animals, which can include only 1 single fryer and only 1 meat pen. The meat pen will be counted as one entry.

HERDSMANSHIP

Anyone who wants to do a “Speaking up for Animal Agriculture” presentation at the County Fair anytime during the week in the Rabbit Barn will earn additional points for herdsmanship.

The top ten point winners during the fair will receive an award on the Sunday of the fair at 3:30 pm at the rabbit barn.

AGE GUIDELINES

Senior: Over 8 months of age in large breeds, 6 months and over in small breeds.

Intermediate: 6-8 months of age

Junior: Under 6 months of age

Californian

Rabbit - Californian Sr. Buck
Rabbit - Californian Sr. Doe
Rabbit - Californian Int. Buck
Rabbit - Californian Int. Doe
Rabbit - Californian Jr. Buck
Rabbit - Californian Jr. Doe

Champagne D’Argent

Rabbit - Champagne D’Argent Sr. Buck
Rabbit - Champagne D’Argent Sr. Doe
Rabbit - Champagne D’Argent Int. Buck
Rabbit - Champagne D’Argent Int. Doe
Rabbit - Champagne D’Argent Jr. Buck
Rabbit - Champagne D’Argent Jr. Doe

Dutch

Rabbit - Dutch Sr. Buck
Rabbit - Dutch Sr. Doe
Rabbit - Dutch Jr. Buck
Rabbit - Dutch Jr. Doe

Flemish Giant

Rabbit - Flemish Giant Sr. Buck
Rabbit - Flemish Giant Sr. Doe
Rabbit - Flemish Giant Int Buck
Rabbit - Flemish Giant Int Doe
Rabbit - Flemish Giant Jr. Buck
Rabbit - Flemish Giant Jr. Doe

Havana

Rabbit - Havana Sr. Buck
Rabbit - Havana Sr. Doe
Rabbit - Havana Jr. Buck
Rabbit - Havana Jr. Doe

Himalayan

Rabbit - Himalayan Sr. Buck
Rabbit - Himalayan Sr. Doe

Rabbit - Himalayan Jr. Buck
Rabbit - Himalayan Jr. Doe

Holland Lop

Rabbit - Holland Lop Sr. Buck
Rabbit - Holland Lop Sr. Doe
Rabbit - Holland Lop Jr. Buck
Rabbit - Holland Lop Jr. Doe

Lilac

Rabbit - Lilac Sr. Buck
Rabbit - Lilac Sr. Doe
Rabbit - Lilac Jr. Buck
Rabbit - Lilac Jr. Doe

Mini Lop

Rabbit - Mini Lop Sr. Buck
Rabbit - Mini Lop Sr. Doe
Rabbit - Mini Lop Jr. Buck
Rabbit - Mini Lop Jr. Doe

Mini Rex

Rabbit - Mini Rex Sr. Buck
Rabbit - Mini Rex Sr. Doe
Rabbit - Mini Rex Jr. Buck
Rabbit - Mini Rex Jr. Doe

Mini Satin

Rabbit - Mini Satin Sr. Buck
Rabbit - Mini Satin Sr. Doe
Rabbit - Mini Satin Jr. Buck
Rabbit - Mini Satin Jr. Doe

Netherland Dwarf

Rabbit - Netherland Dwarf Sr. Buck
Rabbit - Netherland Dwarf Sr. Doe
Rabbit - Netherland Dwarf Jr. Buck
Rabbit - Netherland Dwarf Jr. Doe

New Zealand

Rabbit - New Zealand Sr. Buck
Rabbit - New Zealand Sr. Doe
Rabbit - New Zealand Int Buck
Rabbit - New Zealand Int Doe
Rabbit - New Zealand Jr. Buck
Rabbit - New Zealand Jr. Doe

Polish

Rabbit - Polish Sr. Buck
Rabbit - Polish Sr. Doe
Rabbit - Polish Jr. Buck
Rabbit - Polish Jr. Doe

Other Large Breeds

Rabbit - Other Large Sr. Buck
Rabbit - Other Large Sr. Doe
Rabbit - Other Large Int. Buck
Rabbit - Other Large Int. Doe
Rabbit - Other Large Jr. Buck
Rabbit - Other Large Jr. Doe

Other Small Breeds

Rabbit - Other Small Sr. Buck
Rabbit - Other Small Sr. Doe
Rabbit - Other Small Jr. Buck
Rabbit - Other Small Jr. Doe

Requirements

- All breeds recognized by the American Rabbit Breeders Association are eligible (No Crossbred). Rabbits will be judged according to ARBA standards.
- Each rabbit must be permanently tattooed in the left ear for identification purposes.

MARKET RABBIT

Rabbit - Single Fryer, 3 ½ to 5 ½ pounds, not over 70 days old
Rabbit - Pen of three fryers, 3 ½ to 5 ½ pounds, not over 70 days old

RABBIT POSTERS

- All posters must be entered and in place between 2- 7 pm on the Monday of the fair.
- Posters must be 14" by 22", Vertical Position (1/2 of a poster board).
- All posters advance to the state fair. See state fair poster requirements in the Rabbit Information Sheet. Posters need to be exhibited at the county fair to advance to the State Fair.
- You may exhibit a promotional & educational poster.
- Poster categories for Educational and promotional:
 - Junior (3rd-8th grade)
 - Senior (Grades 9+)
- Please write name, grade, county and "promotional" or "educational" on the back of the poster.

RABBIT SKILLATHON

Rabbit Skillathon, Jr. (3rd – 5th Grade)

Rabbit Skillathon, Int. (6th – 8th Grade)

Rabbit Skillathon, Sr (9th grade - one year past graduation)

Rabbit skills will be judged for this educational activity. Event takes place 11 am-3 pm on the Wednesday of the fair in the Rabbit barn. (If that day doesn't work, let the rabbit superintendent know, as they can arrange a different time.) No pre-registration is needed, just come! Winners are announced at 3:30 pm in the Rabbit Barn on the Sunday of the fair.

RABBIT AGILITY

Held the Saturday of the fair tentatively at 2 pm, although it may change for the convenience of exhibitors. Sign up during the fair.

RABBIT COSTUME CONTEST

After checking in your rabbits on the Monday of the fair, get yourself and your rabbit dressed for the costume contest and we will take a picture to post in the rabbit barn or you can take a picture at home to bring if that works better. Costumes can be whatever you like.

Voting will be people's choice and there will be a ballot box by the pictures in the barn all week. Winner will be announced the Sunday of the fair at 3:30 pm in the rabbit barn.

RABBIT INTERVIEWS

Grades 3-5
Grades 6-8
Grades 9+

RABBIT SHOWMANSHIP

Advanced Showmanship (Must win senior showmanship to advance to this category)
Senior Showmanship
Intermediate Showmanship
Junior Showmanship
1st Year Jr. Showmanship

RABBIT - CLOVERBUD

Rabbit - Cloverbud
Rabbit - Cloverbud Poster

SHEEP

Superintendent: John Scott

Youth Superintendents: Abby VanPelt, Braeden Hahn, and Katie VanPelt

Check In/ Weigh in: Monday, August 5, 5 pm -7 pm, in the Sheep Barn

Lamb Lead: Tuesday, August 6 at 5 pm in the Crane Pavilion, North ring

Sheep show: Tuesday, August 6 at 6 pm in the Crane Pavilion, North ring

Purebreds and grades will be shown together. At the State Fair, purebred ewes must have registration papers and exhibitors must have copies with them. The registration tag in the ear must correspond to the registration number of the breed association.

BIRTH DATES

Fall Ewe Lamb
previous year

Born between September 1 - December 31 of

January Ewe Lamb

Born in January of current Year

February Ewe Lamb

Born in February of current Year

March Ewe Lamb

Born in March of current Year

Yearling Ewe

Over 1 yr and under 2 yrs of age & not show

evidence of 4 permanent incisors

Market Lamb

Born on or after December 1 of previous year

BREEDING EWE

One entry per age class per breed

Columbia

Sheep - Registered Columbia Yearling Ewe
Sheep - Registered Columbia Fall Ewe Lamb
Sheep - Registered Columbia January Ewe Lamb
Sheep - Registered Columbia February Ewe Lamb
Sheep - Registered Columbia March Ewe Lamb

Commercial White and Speckle Face

Sheep - Commercial White & Speckle Face Yearling Ewe
Sheep - Commercial White & Speckle Face Fall Ewe Lamb
Sheep - Commercial White & Speckle Face January Ewe Lamb
Sheep - Commercial White & Speckle Face February Ewe
Lamb
Sheep - Commercial White & Speckle Face March Ewe Lamb

Commercial Black Face

Sheep - Commercial Black Face Yearling Ewe
Sheep - Commercial Black Face Fall Ewe Lamb
Sheep - Commercial Black Face January Ewe Lamb
Sheep - Commercial Black Face February Ewe Lamb
Sheep - Commercial Black Face March Ewe Lamb

Corriedale

Sheep - Corriedale Yearling Ewe
Sheep - Corriedale Fall Ewe Lamb

Sheep - Corriedale January Ewe Lamb
Sheep - Corriedale February Ewe Lamb
Sheep - Corriedale March Ewe Lamb

Dorset

Sheep - Registered Dorset Yearling Ewe
Sheep - Registered Dorset Fall Ewe Lamb
Sheep - Registered Dorset January Ewe Lamb
Sheep - Registered Dorset February Ewe Lamb
Sheep - Registered March Ewe Lamb

Hampshire

Sheep - Registered Hampshire Yearling Ewe
Sheep - Registered Hampshire Fall Ewe Lamb
Sheep - Registered Hampshire January Ewe Lamb
Sheep - Registered Hampshire February Ewe Lamb
Sheep - Registered Hampshire March Ewe Lamb

Montadale

Sheep - Montadale Yearling Ewe
Sheep - Montadale Fall Ewe Lamb
Sheep - Montadale January Ewe Lamb
Sheep - Montadale February Ewe Lamb
Sheep - Montadale March Ewe Lamb

Other Registered Breeds

Sheep - Other Registered Breeds Yearling Ewe

MARKET LAMB

Market Lamb – Speckle Face
Market Lamb – Black Face
Market Lamb – White Face

Two entries allowed per exhibitor per class.

Requirements:

- Recommended minimum weight for State Fair is 105 pounds; recommended maximum weight is 170 pounds.

White Face Market Lamb - Ewe - Wether

- Market white face class animal cannot have any black on head or legs. Additional market lambs can qualify for the white face class if they provide registration papers from one of the following breed associations: Cheviot, Columbia, Corriedale, Dorset, Lincoln, Montadale, Polypay, Rambouillet, Southdown, Targehee and Texel.

Speckle Face Market Lamb - Ewe - Wether

- Must show strong evidence of both white and black face breeding

EWE AND LAMB

(All breeds and crossbreeds)

Yearling Ewe and Lamb

LAMB LEAD

Grades 3-5

Grades 6-8

Grades 9+

Requirements:

- Lamb lead exhibitors must groom and train a sheep and wear a garment made from at least 60% wool.
- Garment is defined as a piece of clothing covering a main part of your body (not socks or accessories).

Sheep - Other Registered Breeds Fall Ewe Lamb
Sheep - Other Registered Breeds January Ewe Lamb
Sheep - Other Registered Breeds February Ewe Lamb
Sheep - Other Registered Breeds March Ewe Lamb

Shropshire

Sheep - Shropshire Yearling Ewe
Sheep - Shropshire Fall Ewe Lamb
Sheep - Shropshire January Ewe Lamb
Sheep - Shropshire February Ewe Lamb
Sheep - Shropshire March Ewe Lamb

Southdown

Sheep - Southdown Yearling Ewe
Sheep - Southdown Fall Ewe Lamb
Sheep - Southdown January Ewe Lamb
Sheep - Southdown February Ewe Lamb
Sheep - Southdown March Ewe Lamb

Suffolk

Sheep - Registered Suffolk Yearling Ewe
Sheep - Registered Suffolk Fall Ewe Lamb
Sheep - Registered Suffolk January Ewe Lamb
Sheep - Registered Suffolk February Ewe Lamb
Sheep - Registered Suffolk March Ewe Lamb

- Exhibitors will be judged based on project knowledge, poise, outfit, and the lamb. Classes may be combined depending on number of entries.

NOTE: 4-H'ers who participate in Lamb Lead at the **State Fair** will receive a \$30 cash award, provided by the Minnesota Livestock Breeders' Association (MLBA). These payments are made in October. 4-H'ers must be grade eligible to participate at the State Fair.

FLEECE

Sheep Fleece Meat Breed

Sheep Fleece Wool Breed

Requirements:

- Any 4-H'er enrolled in the sheep project may enter a fleece.
- Fleece must come from sheep in a flock owned by the exhibitor.
- Fleece must be no less than 3" in length, but no more than a 13-month growth.

NOTE: All 4-H'ers receiving a blue ribbon on their fleece may exhibit at the State Fair! No housing will be provided.

SHEEP INTERVIEWS

Grades 9+

Grades 6-8

Grades 3-5

SHEEP SHOWMANSHIP

Grades 3-5

Grades 6-8

Grades 9+

SHEEP CLOVERBUD

Sheep - Cloverbud

Sheep - Cloverbud Lamb Lead

SWINE

Superintendents: Justin Goslee, Pete Thome, and Ryan Risius

Check In/Weigh in: Monday, August 5, 3 pm-6 pm, Swine barn

Swine show: Thursday, August 8, 8:30 am, Crane Pavilion

- Once swine are unloaded and weighed, they must go directly to the barn and stay in the barn for the duration of the fair, except for during the swine show.
- If ear tag and ear notch do not match the pig, they will receive no higher than a blue ribbon. There will be no State Fair call back or trip, although they will be able to participate in the Ribbon Auction.
- The 4-H Swine Show is not a mandatory terminal show. However, it is an excellent idea to send all your pigs to market directly from the fair. Transportation will be arranged for hauling your pigs to market from the fair. Hogs may be sold to Hormel Foods Corporation. Exhibitors must declare at the time of weigh-in if they are to be sent to market. Hogs must be free of exposure to ractopamine and will be tested before being transported off the fairgrounds.
- Click [HERE](#) to sign an affidavit and premise ID forms to complete if you send your swine to market. Make sure to communicate with the Swine Superintendent for load out details.
- If families elect to bring pigs back to their farm from the county fair, they should isolate the fair pigs from the rest of the farm animals for at least 30 days.
- Any hogs going home MUST be reported to the show superintendent or the 4-H staff in charge.

BIRTH DATES:

January Gilt

Born in January of current year

February Gilt

Born in February of current year

March Gilt Born in March of current year
Market Barrow Born on or after January 1 of the current year. Recommended farrow date of February 1 or after.
Market Gilt Born on or after January 1 of the current year. Recommended farrow date of February 1 or after.

BREEDING GILTS

Swine - Registered January Gilt
Swine - Registered February Gilt
Swine - Registered March Gilt
Swine - Commercial January Gilt
Swine - Commercial February Gilt
Swine - Commercial March Gilt
One entry allowed in registered and one in commercial per exhibitor.

MARKET BARROW

Swine - Market Barrow
Three entries allowed per exhibitor.

MARKET GILT

Swine - Market Gilt
One entry allowed per exhibitor.

PUREBRED BARROW

Swine – Purebred Barrow
Two entries allowed per exhibitor.

Certification papers for purebred barrows must be shown at the scale on Monday night. All purebreds will show together. (There must be at least 4 pigs registered for this show or there will not be a purebred class.) You may show 2 purebred barrows. If showing both, another Mower County 4-H'er will be allowed to show the second purebred barrow.

Requirements:

- Recommended minimum weight for State Fair is 220 pounds; maximum State Fair weight is 300. Market barrows and market gilts weighing less than 220 pounds will show in their own class “Super Lightweights” and those 301 pounds and over will show in their own class “Super Heavyweights” and will be eligible for blue, red or white ribbons but not eligible for champions at State fair.

SWINE INTERVIEWS

Grades 3-5
Grades 6-8
Grades 9+

SWINE SHOWMANSHIP

Grades 3-5
Grades 6-8
Grades 9+

SWINE CLOVERBUD

Swine - Cloverbud

General Projects

4-H is all about project-based learning. It's like an a la carte menu - choose something you like and dive into it! No matter where you are, 4-H offers project learning. Some local 4-H programs have committees, regular meeting nights, and project learning workshops. Some don't. Projects don't have defined groups or meetings. If enough people have interest in a project, you can form a project club or event to dive deeper. In the summer, you can take your project to the fair! Learn more about the project areas at <https://extension.umn.edu/4-h-member-resources/4-h-projects>.

All general exhibits are judged on **Monday, August 5** from 12:00 p.m. - 7:00 p.m. in the 4-H Building unless noted otherwise.

AEROSPACE

Project Description: Share what you've learned about the latest in aerospace technology including airplanes, rockets, helicopters, drones, balloons, etc. Aerospace includes any objects that fly within the Earth's atmosphere and outer space.

Exhibit Suggestions:

- Build a model (rocket, airplane, satellite) and identify the parts.
- Explain the science of how airplanes fly.
- Explain how the model rocket flies.
- Design or build your own rocket or airplane and explain how it works
- Identify parts of a hot air balloon and how they work.
- Discover and identify the basic parts of a helicopter and how they work.
- Make and demonstrate a hang glider.
- Demonstrate a drone and how it is used.
- Research UFOs and share your findings.
- Compare and contrast different types of kites (flat, box, parafoil, etc).
- Discuss the pros and cons of different types of flight (airplane vs helicopter vs jet, etc).

Requirements:

- Models or other project objects can be used during the judging process.
- Flyable models should be ready for flight (do not include fuel or engines); recovery systems should be in place and operative.
- Members should be familiar with safety codes in the 4-H curriculum or that accompany the kit.

AGRONOMY

See "Plant Science" section

BICYCLE

Exhibit Suggestions:

- Exhibit showing built, restored, reconditioned or rebuilt bikes.
- Display showing types of bikes, parts of a bike, maintenance, traffic rules, bicycling hazards, city/county/regional bike or active transportation plans, how to wear a helmet, equipment used to teach others about bike repair or first aid, etc.
- Documentation (such as slideshow, notebook, picture book, poster or film) of a bike rodeo or other bike event you helped with, or research on some other aspect of bicycling that was presented to a class, committee or service club.

CAT

See "Pets" section

CHILD & FAMILY DEVELOPMENT

Project Description: Share what you've learned about being self-reliant and responsible, how to handle emergencies and develop home-alone skills. Child & Family Development includes home safety, age-appropriate toys, nutritious snacks for children and how to create a poem, story or game.

Exhibit Suggestions:

- Toy, game, puzzle, puppets, art/craft materials, etc., made from new or recycled/throw-away material.
- Babysitting kit/travel kit/rainy day kit.
- Original book, story, poem, song, play, cookbook, audio or video tape and narrative, activity book, safety manual for children.
- Scrapbook, photographs, items, reports, video, etc., on family heritage with description of what was learned about self and family.
- A creatively developed program and/or item used for or with a person with differing abilities (i.e. learning difficulties, physically impaired, etc.).
- Display exploring different types of families (nuclear, blended, single parent, childless, foster, etc).
- An educational display explaining foster care/foster families in Minnesota
- Display exploring resources for children alone at home (i.e. activities, games, kits).
- An educational display about youth mental health. Explore strategies to help youth cope with stress, anxiety, etc. with busy bags, sensory bottles/activities, conversation tips, etc.
- Display sharing your experience job shadowing an early childhood education provider, child care provider or another youth worker.
- An educational display with resources available to lower income families (i.e. WIC, Food Shelf, etc).

Requirements:

- Exhibitors should be prepared to discuss, in conference judging, the age and other characteristics of the child for whom the exhibit is intended and how the exhibit contributes to the child's growth, development, and well-being.
- If the exhibit is designed to be interactive with children, the item should be used with children before exhibiting and a photograph of this activity should accompany the exhibit. Signs of use will not detract from the placing of the exhibit.

CITIZENSHIP

Exhibit Suggestions:

- Highlight of community projects and/or citizenship activities which you or your club completed under your leadership. Include plans of action as well as the impact of each.
- An educational display illustrating the description of a service project, which may include: how you identified the need in your community, developed a project to address the need, carried out the project, and reflected on the results.
- An educational display illustrating how you've researched, reflected, and learned more about yourself, your family, and your friends.
- An educational display illustrating how you've researched, reflected on, and learned more about your community, its history, and how to be a good neighbor.
- An educational display illustrating how you've developed a tour of a local community, government or community agency; learned how government functions; and learned about police, fire protection, health, sanitation, safety, and tourism in your community.
- A display on different parts of the world, highlighting their cities, culture, history and more.
- A display explaining how you organized and led tours in your towns, communities, courthouse or historic places.
- An educational display on how the government works or the functions of various government agencies.
- A display on community organizations, agencies or service departments like fire departments, police departments, sanitation, tourism, etc.
- Complete a service project and create a display of what you did and why you did it.

CLOTHING AND TEXTILES

Clothing & Textiles exhibits should be finished, clean and pressed for exhibition. Exhibits can be used before showing, but should be cleaned before exhibiting. Garments and sewn non-garments should be appropriate for the skill level and experience of the exhibitor.

Judging is on **Tuesday, July 30** from 5:00 p.m. - 8:00 p.m. at the 4-H Building.

Constructed Clothing

Exhibit Suggestions:

- Include an information tag listing: pattern company name and number or inspirational photo for design, fiber content of fabric and care instructions.
- Constructed garment such as a blouse, shirt, top, skirt, pants, sweatshirt, jumper, dress, outerwear, etc.
- Constructed garment utilizing a fabric or technique new to the exhibitor, such as synthetic suede, active sportswear, micro-fibers, satin, etc.
- Using tailoring techniques to construct a garment
- Wearable art that can be included as part of the constructed garment.
- Educational poster or display on a clothing or textiles subject of your choice. Examples: career in industry, difference in fabric, how fabric is made, evolution of clothing, cost comparison, clothing selection, care of fabric, etc
- Garment mended, repaired or recycled, with color photo of original garment and explanation of steps used.

Upcycled Clothing

Exhibit Suggestions:

- Significant alterations to a garment. Examples: oversized t-shirt made into a cinched t-shirt dress, alternating the style of the garment, updating an old prom dress to make it current, etc.
- Wearable art that can be added to purchased garment.

Requirements:

- An upcycled garment is one that is constructed from a previously worn garment that has been updated/altered in a way to produce a new garment.
- Colored photo of original garment and colored photo of new garment

Purchased Clothing

Exhibit Suggestions:

- Additional information that could be included in 8 ½" x 11" binder:
 - Cost per wear
 - Cost comparison (construction vs. purchased)
 - Inventory of wardrobe (not including undergarments)
 - Educational facts about fabric in garment(s)
 - Additional photos showing ways it can be used in existing wardrobe
 - Accessories/shoes worn
 - Any other educational information not listed above
- Purchased garment such as a blouse, shirt, top, skirt, pants, sweatshirt, jumper, dress, outerwear, etc.
- Pre-used garments not altered. Examples: thrift store, garage sale, hand-me-down, etc.

Requirements:

- The purchased garment or outfit must be accompanied by an 8-1/2" x 11" binder with the following information:
 - Colored photo of member wearing the garment. Label photo with name, county, and color of complexion, hair and eyes.
 - Cost of garment and explanation of why garment was purchased
 - Fabric content and care of garment
 - Examples of ways it will be used in existing wardrobe
 - Sale receipt and tags, if available

Sewn Non-Garment

Exhibit Suggestions:

- Non-clothing sewn, constructed item. Examples: simple home or clothing accessory item such as a pillow, apron, book bag, belt, placemat, gym bag, sewing kit, etc.
- Non-clothing article using a pattern or your own idea.

Requirements:

- Include an information tag listing: pattern company/kit name or source, fiber content of fabric and care instructions.

Fashion Revue

Fashion Revue Constructed Clothing
Fashion Revue Purchased Clothing
Fashion Revue Upcycled Clothing

Exhibit Suggestions:

- Judging is on the overall completed look which includes the outfit, accessories and overall appearance

Requirements:

- Participants may model any clothing they have constructed, purchased or upcycled as a part of their 4-H clothing project.
- Garments are required to be modeled during conference judging and fashion show.

Note: At State Fair, clothing exhibitors can use the same garment to participate in both fashion revue and the corresponding clothing & textiles project in the same year. Example: Constructed fashion revue exhibit can be judged in the constructed clothing area (or vice versa).

CLOVERBUDS

See "Cloverbud" section on page 14

COMPUTER

See "Technology" section

CONSUMER EDUCATION & MONEY MANAGEMENT

Project Description: Share what you've learned about being a good consumer as you explore smart shopping, income and expenses, saving money, credit, and needs vs. wants.

Exhibit Suggestions:

- A budget workbook, income/expenses graphs, impact of supply chains on consumers, savings plans, etc.
- Junior exhibitors: a basic comparison of similar products with different pricing.
- Intermediate exhibitors: include additional aspects of products other than just price
- Senior exhibitors: compare numerous components (nutritional value, cost per ounce, fabric content, longevity, etc).

CRAFTS & FINE ARTS

Note: Members enrolled in Creative Arts can exhibit in both Fine Arts and Crafts.

CRAFTS

Exhibit Suggestions:

- For a beginner, choose a project that teaches new techniques. For advanced, choose a project requiring masterful craftsmanship.
- Work directly from a kit, diamond painting, social media influenced/inspired, LEGO kits, model replicas, no sew/tie blankets, ceramic casts, paint by number, etc.

Requirement:

- Each exhibit will be evaluated on its individual merit as a craft/kit.
- Emphasis is on the creative process and the implementation of design elements and principles. The craft/kit exhibit develops from someone else's ideas and can be easily replicated, modified and repeated by others.
- All projects need to be presented in a finished manner.

Three entries allowed per exhibitor.

FINE ARTS

Exhibit Suggestions:

- For a beginner, choose a project that teaches new techniques. For advanced, choose a project requiring mastery.
- Original work (no kits) in drawing, painting, sculpture, paint pouring, textiles, pottery, jewelry making, fiber art, quilling, etc

Requirements:

- Each exhibit will be evaluated on its individual merit as an original fine art.
- Emphasis is on the creative process and the implementation of design elements and principles. The fine art exhibit should show proof that it is developed from the 4-H'ers own ideas and imagination.
- All art objects must be appropriately finished. For state fair eligible: exhibits must be ready for hanging, displaying, etc. (i.e. wire or hooks on paintings, bases for 3 dimensional work, etc.)

Three entries allowed per exhibitor.

CREATIVE WRITING

Project Description: Exhibits could include written short stories, poems, essays, play scripts, speeches, memoirs, social media posts, articles, blog posts, graphic novels, etc.

Exhibit Suggestions:

- Series of original poems.
- An original short story.
- A children's story or a story written specifically for young children, typically includes illustrations
- Series of social media posts or an article educating the public on a topic you are passionate about.
- An original graphic novel including characters' dialogue, plot line and illustrations.
- A display on the different types of poems or your favorite author
- A display on "What is Creative Writing?"

Requirements:

- Creative Writing exhibits should be an original written piece; if the work of others are quoted or included, be sure to include proper citation.
- Display your work in a way that can be viewed by fairgoers (printed in a binder, written on a canvas, hung on a display, etc.)

CROP SCIENCES

See "Plant Science" section

DOG

See "Pets" section

Note: Dog Show Entries can be found on the Dog AnSci Pages

ELECTRICITY

See "Mechanical Science" section

ENGINEERING DESIGN

See more on the [Engineering Design project page \(extension.umn.edu/4-h-stem-projects/4-h-engineering-design-project\)](http://extension.umn.edu/4-h-stem-projects/4-h-engineering-design-project)

AQUATIC ROBOTICS

See "Technology" section

ENGINEERING DESIGN

Project Description: Engineering design projects address a problem by developing a solution that successfully solves the problem. Important in engineering design projects is the identification of the problem being solved and testing and improving the solution.

Exhibit Suggestions:

- Using everyday items to build a simple machine to complete a simple task
- Using everyday items to create a product to solve a real life situation
- Using LEGOS to create and test different types of bridge designs
- Engineering a bridge – using everyday items to create a bridge to sustain 5 pounds of weight
- Engineering a roller coaster – Use KNEKX or other materials to engineer and create a roller coaster
- Engineering a catapult/trebuchet – use everyday items to create a machine to launch a marshmallow a minimum of 3 feet
- Engineer a wind turbine to solve a problem (for example: using the wind energy to lift a bucket)

Requirements:

- Include a description of the problem/challenge being solved
- Include a description of how a design process was used to solve the problem
- Description(s) can be verbal or written

ENGINEERING DESIGN CHALLENGE LEVEL 1 & 2

Engineering Design Challenge Team Member:

Level 1 - grades 3 -8 (suggested)

Level 2 - grades 7 - 12 (suggested)

Each member (regardless of age) needs to register in one of these levels.

An Engineering Design Challenge machine is based on a Rube Goldberg-type machine, an overly complex contraption designed to accomplish a simple task. The best machines use a variety of everyday items to create a series of chain-reaction steps to accomplish a simple task. In the project, youth employ engineering, physics, humor, and storytelling to create their machine. This program requires a team of at least 3 and no more than 10 youth members.

Exhibit Suggestions:

- Engineering Design Challenge machine itself
- Display, binder, poster, and video illustrating the process of the doing the activity/project

Requirements:

- Please refer to the [Engineering Design Challenge Level 1 and 2 Handbooks](http://z.umn.edu/4hedc) (z.umn.edu/4hedc) for complete details.
- Teams of at least 3 youth
- The machine must complete a minimum of 10 steps
- The machine must operate in 2 minutes or less
- Exhibit physical size limited to 6 ft x 6 ft x 6 ft
- Describe how an engineering design process was used to complete the project.
- Provide a journal record illustrating the process of completing the project.

Note: The Engineering Design Challenge showcase event occurs outside of the State Fair (typically before the State Fair). Teams can choose to participate in person or virtually. Teams choosing to participate virtually will need to submit a video of their machine prior to virtual judging. Please refer to the [Engineering Design Challenge Level 1 and 2 Handbooks](http://z.umn.edu/4hedc) (z.umn.edu/4hedc) for complete details.

ROBOTICS

See “Technology” section

ENTOMOLOGY

See “Natural Resources” section

EXPLORING ANIMALS

Project Description: Intended as an introductory project area for youth who have limited experience with livestock/animal science. This area is a pathway to more in-depth study of the animal.

Exhibit Suggestions:

- An educational exhibit to show or explain something 4-H'er made, did, learned, or may explore consumer issues, breeds or careers.
- Poster, journal, video, 3 ring binder of animal being explored.
- Explore basic care & handling, basic feeding, basic housing, animal welfare & ethics, etc.

Requirements:

- This area is for 4-H'ers who wish to learn more about a given species. Animal ownership is not required.
- Exploring Animals include: Beef, Dairy, Dairy Goat, Meat Goat, Llama/Alpaca, Poultry, Rabbit, Sheep or Swine.
- Youth interested in cats, dogs, horses or other domesticated pets (guinea pigs, snakes, rats, etc) should see appropriate sections of the premium book.

EXPLORING THE ENVIRONMENT/ENVIRONMENTAL SCIENCE

See "Natural Resources" section

FISHING SPORTS

Exhibit Suggestions:

- Fish identification. Describe the habitat and food needs of selected fish; develop a panel display explaining the life history of a fish; create a model or exhibit identifying the parts of a fish.
- Fishing Knots: Identify how and where each knot is used; fishing equipment which is made or repaired such as lures, fishing rods and reels, ice fishing rig, or other fishing equipment
- Safety practices and techniques that are related to fishing (& ice fishing) or boating
- Examples of how water quality affects the fish ecosystem
- Create a display or diagram of Aquatic habitats, invasive species
- Tactics to fish for various species of fish, techniques and equipment used
- Cultural aspects of fishing
- Regional differences across the US/world. (Types of fish, environments, ways to fish, considerations)
- Research commercial fishing for food industry
- Explore career opportunities
- Local Department of Natural Resources fishing regulations

Requirements:

- If any lures or pieces are part of a display, ensure that pieces are secured and hooks are not going to be a safety concern (enclosed).
- Do not include live fish as part of the exhibit.

FLOWER GARDENING

See "Horticulture" section

FOODS AND NUTRITION

FOODS

Exhibit Suggestions:

- Food items such as:
 - Bars & Cookies (no commercial mixes)
 - Breads (no commercial mixes)
 - Cakes (no commercial mixes)
 - Pastries (no commercial mixes)

- Gluten Free Baked Goods
- Homemade Meal
- Other Homemade Food
- Fun with Convenience Foods
- Recipe Adaptation to Improve Nutrition
- Cake/Cupcake & Cookie Decorating
- Food science experiment
- Exhibit showing food and/or kitchen safety.
- Investigate food allergen of your choice
- Display about careers in the food industry

Requirements:

- Exhibit may be food items and/or displays.
- Exhibitors should be prepared to discuss with the judge: recipes, references, information sources, methods, etc., as appropriate to that exhibit.
- Exhibits containing perishable foods, which may be discarded, must include a colored photograph of the food. Print the photo and recipe on an 8 ½" x 11" paper.

Note: If food safety is a concern, judges reserve the right not to taste and/or judge foods items.

NUTRITION

Exhibit Suggestions:

- One serving of nutritious food (vegetable or fruit dish, snack, bread, dairy, etc.). Include 8½ x 11 poster showing nutritional value, recipe, and a photo of the food.
- Study of nutrients needed for yourself or someone else, using the dietary guidelines and MyPlate.
- Make a food or fitness plan for yourself or someone else and show how it relates to nutritional and energy needs. (Example: an athlete on a volleyball team, a teen who doesn't have a lot of time).
- Adapt a recipe(s) to show healthier ingredient choices.
- Study of how physical fitness and/or food choices are related to disease (such as: cancer, heart disease, osteoporosis, diabetes, etc.).
- Study of labels from similar food items, comparing important nutrient content like fat, fiber, and sugar.
- Explore nutrition-related careers

FOOD PRESERVATION

Exhibit suggestions:

- Suggested exhibits include one (1) jar or one (1) bag of product:
 - Vegetables or fruits
 - Jams, jellies, preserves, low-sugar spreads (no frozen)
 - Pickled products (fermented or added acid, including pickles, sauerkraut, relishes, salsa).
 - Meats, poultry and/or fish. (Fish must be in pint jars.) Must be processed in a pressure canner.
 - Note: Preserved fish count toward the limit that can be in your possession.
 - Dried vegetables or dried fruits.
 - Dried herbs.
 - Beef or venison jerky.
- Learn about cottage food producer requirements in Minnesota
- Display about different methods of freezing foods
- Explore commercially available freezer bags to see which produces the best quality
- Display about preserving foods that you've hunted and/or caught
- Research different methods for harvesting and preserving butchered meat
- Make a poster about making freezer jams/jellies
- Research illnesses you can get from improper food preservation
- Teach others about safe canning methods
- Display about canning equipment and its purpose
- Learn about preserving foods in a pressure canner

- Compare current food preservation techniques with those used in the past

Requirements:

- Consult the authorities (University of Minnesota Extension/other state Extension publications, USDA, National Center for Home Food Preservation) and follow the recommendations for the year (or closest to) for all recipes, procedures, and processing times. Recipes from pectin packages, etc. are acceptable.
- All food preservation exhibits must be labeled or have a note card that includes county, name, grade, product, style of pack, processing method (boiling water bath or pressure canner), date, processing time, date processed and source of recipe. Pressure canned items indicate dial or weighted gauge and how many pounds of pressure used.
- Jars must be heat-tempered clear glass canning jars, not commercial glass jars (i.e. glass mayonnaise jars).
- All jars must be sealed. Jellies and jams must be covered with lids.
- Use pint jars for fruit, vegetables, and fish; one-half pint jars for jams and jellies; 2- 1 pint jars or one quart jar for pickled products.
- No artificial food coloring should be added to entries.
- Dried foods may be stored in glass jars, self-sealing plastic bags or airtight plastic bags. The quantity of dried foods should be: fruits and vegetables 1/2 cup or more of each, herbs - 1/4 cup of each in whole leaf form, 3 strips of meat (i.e. venison or beef jerky).
- Foods must be preserved within the past year.

FOOD REVUE

Judging is on Tuesday, July 30 from 6 pm - 8 pm at the 4-H Building.

Exhibit suggestions:

- Exhibitors may bring to the county showcase experience: one item of food from the menu; a place setting which includes dishes, silverware, linens and centerpiece for the course in which food is served.

Requirement:

- The display must be no larger than 30" square.
- Food Revue will be judged on food and nutritional knowledge, menu design/theme, table setting design, and cost information.
- Must include binder, which includes: Cover page, menu, cost, nutritional information, picture of place setting, picture of food, and one or more pictures of you in action preparing your meal. May also include a small poster of the menu, photo of exhibit, etc.
- Note: the judge may or may not taste the food.

FOREST RESOURCES

See "Natural Resources" section

FRUIT

See "Vegetable, Fruit and Herb Gardening" section

FRUIT, VEGETABLE & HERB GARDENING

See "Vegetable, Fruit and Herb Gardening" section

GEOLOGY

See "Natural Resources" section

GLOBAL CONNECTIONS

Project Description: Lessons on Global Citizenship are as close by as your local grocery store, library, highway or high school and can be as far away as places like Oslo, Nairobi or Hong Kong! Share what you've learned about exploring countries and learning about their government, history, people and popular cultures or further explore your own culture and traditions. This includes ways you have made a difference in your community and your world with a Global Connections project.

Exhibit Suggestions:

- Make a poster exploring your own culture. What are the important elements of your culture and how is it different from other cultures?
- Make a display of coins, stamps or postcards from other countries. How are they used? What is the meaning of the images on them?
- Record an oral history interview with someone from another culture living in your community.
- Service learning: Teach English to non-native English speaking people. What did you learn from doing this?
- Make a collection of foreign recipes and prepare them for others. Consider Hmong or Somali cuisine, or another that of another Minnesota group.
- Prepare an exhibit of items, pictures, maps, charts, slides/tapes, drawings, illustrations, writings or displays that depict the heritage of the member's family or community or 4-H history.
- Prepare a display illustrating what you have learned about a country's or U.S. region's geography, economy, agriculture, people, language, housing, culture, music, crafts, clothing, holidays or other aspects.
- Pick a country to study, then look up which one of the fifty U.S. states has a similar population to that country. Create a presentation documenting the similarities and differences between the identified country and the state based on the following topics:
 - Climate and weather
 - Culture and traditions
 - Food and cuisine
 - Language

HEALTH & WELLNESS

Exhibit Suggestions:

- Research and report on a health issue of your choice.
- Report on a community service project that you conducted or volunteered with that relates to a health issue or addresses a community need.
 - Include objectives, audience, timetable, program description, materials, community support and evaluation.
 - Examples might include food distribution centers, homeless shelters, vaccine clinics, blood drives, community run/walk events such as a 5K,
 - Share the results of a service project you conducted in your community to address a health-related need.
 - Make a personal connection with an organization or group working to address health disparities or health inequities in your community (for example, availability and access to safe and affordable housing).
- Conduct a community health assessment for your county, tribe, city or school. What are they doing well to support people's wellbeing? What challenges have arisen? What solutions are they offering to support the community? What will you do now that you have this information?
- Research resources that are available to you in your community. Does this provide information useful to you or your peer group? What did you learn and do with the information?
- Organize a peer support group, conference, a seminar, a workshop, or a chemical-free party. What is your goal in creating this group?
- Promote health through campaigns, activities, and events centered on specific health issues.
 - Create a health day/week at school or arrange a health topic at your 4-H club meeting.
 - In collaboration with others (school, peers, etc.) develop an "anti-bullying" campaign to address Social Media Health.
- Create a Day in the Life Timeline to identify how you spend your day -
 - Where can you set goals to include more healthy practices such as mindfulness, fitness, movement, more fruits or vegetables, etc.?
 - Share some ways you incorporate self-care and/or mindfulness practices into your daily routines.
 - How do you manage schedules/Stress Management?
 - What steps do you take to ensure you are nourishing your body throughout the day?
- Create a video or musical production addressing a cause that's connected to health and wellness.
- Design a model of the human skeleton and label the bones or learn about other organs and systems of the human body
- How does fitness, motion, or athletics fit into a healthy lifestyle for you
- Careers in the health science industry

HOME ENVIRONMENT

Exhibit Suggestions:

- Finished or refinished item, or reupholstered furniture with before and after photos.
- Repaired, restored, remodeled or upcycled item for the home.
- An article remade or reclaimed for the home with a link to the past, including history of use.
- Description, diagrams/photos, samples and cost of a redecorating or remodeling plan showing before and after.
- Item creation for the home - for appeal or for practical use.
- Home organization and functionality (i.e. make a spice rack).
- Environmentally friendly home improvements; assess energy efficiency.

Requirements:

- Members exhibiting in this project should be prepared to discuss how their exhibit applies to the home, how and where it is used or displayed, and all details of how it was made or selected.
 - They should know about the subject matter of the specific exhibit, the materials used, how and why it was done, costs involved, and alternatives considered
- A photograph and details showing its place in the home environment must accompany exhibits that are items for the home.
- Pictures and wall hangings that are exhibited should be finished.
- Purchased kits are allowed to be used.

HORSE RELATED

Horse Related offers the opportunity to study and learn about different facets of the horse project if you own a horse. (You do not need to show a horse to be in the horse related project). Horse related projects will be judged on entry day: Monday, August 5.

Requirements:

- Must be enrolled in the Horse project to exhibit in this division
- Exhibit may be a model, poster, scrapbook, essay, and/or article. The exhibit should show or explain something the 4-H member has made, done, or learned in the project
- Horse related projects will be judged on the Monday of the fair with the general project entries.

HORTICULTURE

FLOWER GARDENING

Exhibit Suggestions:

- When exhibiting cut flowers, we suggest:
 - three stems of one variety of annual flowers, or
 - one stem of a hardy perennial, or
 - one stem of summer flowering bulbs, or
 - one blossom of a tea rose, or
 - one stem of a hardy shrub rose.
- Flower bouquet or arrangement on any theme.
- Display of dried flowers with a card explaining the drying method.
- My Flower Garden - Exhibit on poster board, not to exceed 22 x 28". Include a plan of the garden drawn to scale, the correct variety name and pictures (or photographs) of the flowers grown. Be prepared to discuss the process from soil preparation to blooming.
- Educational Exhibit showing the principles of propagation or reproduction, nutrition, culture and physiology (how a plant lives and grows).
- A display using a 4-H project kit showing how plants or vegetables absorb color and change their leaf color.

Requirements:

- Label each container according to kind or variety.
- Outdoor living flowers and plants are to be exhibited in this area (including Outdoor Fairy Gardens)
- Live plant material will be accepted if it can be maintained in a fresh condition with ease.

INDOOR GARDENING

Exhibit Suggestions:

- Two or more varieties of house plants with common and botanical names.
- Terrarium or dish garden: consider the terrarium material of general terrarium plants of native and woodland plants of Minnesota.
- Educational exhibit showing plant propagation, plant history, forcing bulbs, the life cycle of a flowering plant, etc.

Requirements:

- Indoor living flowers and plants are to be exhibited in this area (including Indoor Fairy Gardens)
- Potted Plants:
 - Flowering plants should be in bloom.
 - Foliage plants should be in vigorous condition.
 - Plants should be grown in the exhibited container for at least one month prior to the fair.
- Plants In Hanging Containers:
 - Container for the plant should not be more than 10" in depth or diameter.
 - Maximum total length of hanger and plant should not exceed 4'
 - Evaluation will include appropriateness of plant for a hanging container, condition, arrangement, hanger to container to plant relationship, and plants being well established.
- Terrariums:
 - The terrarium may not exceed 24" in any dimension.
 - Terrarium should be planted four to six weeks ahead of exhibiting.
 - Members must be able to identify all plant materials in their terrariums and know why they were selected for use (quality, container and design).

LANDSCAPE DESIGN

Exhibit Suggestions:

- A 3D model of a landscaping design (24x36 inches)
- A binder detailing the exhibit with photos, design, budget, key explaining certain pieces in the design, etc..
- A colored design of the layout with colors. Adding explanation of why certain colored plants and what they add to the design.
- Using a computer and designing landscaping, garden area or new treeline development.
- A display about turf management of golf courses vs baseball fields and why certain types of grasses are used.
- Types of turf grasses for home use.
- Creating a landscape project for a nursing home, hospital or other places with people in care. Using plants or bird feeders for patient comfort.
- Discussion options of either annual or perennial plants used.
- Pollinator gardens

Requirements:

- Include a design (paper or 3D model)
- Itemization of supplies, plants, trees, grasses, rocks, bricks, pavers, gates/fences, structures, and other materials used in the design
- A budget
- If multi-year, describe the yearly benchmarks.
- Identify software or computer programs used.
- Mentions elements of landscape design such as: Balance, Focalization, Simplicity, Rhythm and Line, Proportion, and Unity.

INDOOR GARDENING

See "Horticulture" section

INDUSTRIAL TECHNOLOGY

METAL WORK

Exhibit Suggestions:

- Metal work is the creation of metal structures by cutting, bending and assembling processes. It is a value-added process involving the creation of machines, parts, and structures from various raw materials. Could also include a display on properties, uses, or processing of metals
- It is encouraged that youth provide a binder or supporting documentation about the work on the project - pictures of the process, statement of materials purchased or tools utilized etc.

WOODWORKING

Exhibit Suggestions:

- Woodworking is the skill of making items from wood (or wood substitute/alternative product), and could include cabinet making (cabinetry and furniture), wood carving, joinery, carpentry, woodturning or other wood manipulation techniques. Could also include a display on properties, uses, or processing of wood or wood alternatives.
- It is encouraged that youth provide a binder or supporting documentation about the work on the project - pictures of the process, statement of materials purchased or tools utilized etc.

Requirements:

- Please contact 4-H staff if your project is an oversized exhibit.

LAWN AND LANDSCAPE DESIGN

See "Horticulture" section

MECHANICAL SCIENCE

Project Description: Includes (but not limited to) automotive, implement, heavy equipment, recreation vehicle, small engine, tractor, electric, type of projects. Includes past projects of Electric, Small Engines and Tractor.

Exhibit Suggestions: An exhibit focusing on any mechanical science area such as (but not limited to) automotive, implement, heavy equipment, machine, recreation vehicle, small engine, tractor, electric:

- An educational display of some aspect of a machine or a piece of equipment use, operation, modification, repair, care, reconditioning, etc.
- An educational display on the history, purpose, technology or design of a machine or a piece of equipment.
- Engine that has been reconditioned or repaired.
- A device constructed by a member utilizing a powersource.
- Restoration of an engine, vehicle, tractor, machine or implement (body work and/or mechanical)
- Modification of an engine, vehicle, tractor, machine or implement
- If bringing an engine, vehicle, tractor, machine or implement as a project, consider including a binder or display outlining your project process from research to project completion.
- Diagram of wiring in your home/farm showing switch locations, fuse boxes, wire size, capacities, fuse sizes, total bulk wattage, appliance wattage, number of circuits, and type of wiring installation.

Requirements:

- Motorized projects must adhere to safe building and operating design.
- Check space and transportation requirements for large exhibits with your local Extension Educator. Large exhibits may be displayed outdoors
- Fuel must be removed from exhibits for display (fuel can be added for judging purposes, but then removed after judging for safety purposes).
- A colored wiring diagram or schematic must accompany all electric and electronic exhibits. Safety must be reviewed when working with electricity.

NATURAL RESOURCES

Note: To include Entomology, Exploring the Environment, Forest Resources, Geology & Water/Wetlands projects

ENTOMOLOGY

Exhibit Suggestions:

- Projects can include but is not limited to life history displays (e.g. insect life cycle, honey production process, etc), scientific investigation (e.g. insect habitats or effects of environment factors on insects), insects in current events (e.g. pollinators, butterfly tagging, invasive species, protected or declining species), insects in our ecosystem (food source, roles in food production, behaviors, health or disease, etc)
- Live projects (e.g. bee or ant colony)
- Utilize the scientific method to learn about insects. Remember to introduce the subject, describing the process (materials and method), predicting an outcome, stating the results, and discussing any conclusions. Get involved and share what you learned through citizen science projects.
- Collections- cases can be purchased through a variety of vendors or homemade.
 - Specialty insect collection can include but is not limited to a collection of a single order (e.g. Coleoptera or Lepidoptera), a collection of immature insects, a collection of insects from a particular habitat (e.g. aquatic, forest, or prairie) or a collection of economic pests of a specific crop (e.g. insects attacking corn).
 - General collection- starter collection should have 10-20 insects, goal is to get to 50 species of adult insects representing at least 8 orders. Each year add or replace insects. A full 50 species case would be approximately 19" x 16.5" x 3" to 24" x 18" x 3".

Requirements:

- Emphasis of the project must relate to an aspect of entomology. Project must demonstrate specific knowledge of insects. Be prepared to discuss references and sources (e.g. books, magazines, internet, interviews with an expert etc.)
- Displays or booklets on entomology topics should include references and sources. Pictures, drawings, charts, tables, or other figures may be used to support understanding.
- Live projects (e.g. bee or ant colony) will be accepted if the project can be self-sustaining for up to 14 days without special care. A written report or journal should accompany the project. Pictures, drawings, charts, tables, or other figures may be used.
- Collection shall be contained in one see through enclosed case. Arrange so that the case may be displayed in a horizontal position. Place the project label on the lower right corner of the top.
 - Specimens must be collected by the exhibitor. Purchased insects are not acceptable.
 - Specimens must be properly pinned with insect pins. Small insects may need to be placed on cardboard points.
 - Specimens must be properly labeled.
 - The location, date, and collector must be included on the labels. County and state (and country, when applicable) are minimum location information that should be included. It is valuable to include the nearest town or township where the specimen was collected, the type of habitat it was collected from (e.g. on elm tree; on lake shore; indoors.), and the common name of the insect.
 - All labels should be visible so they can be read. Use a permanent ink marker, pencil or print labels from a computer.

EXPLORING THE ENVIRONMENT/ENVIRONMENTAL SCIENCE

Project Description: Share what you've learned about the relationships and interactions of plants, animals, humans, and their ecosystems through the specific challenges they face and/or solutions they offer.

Exhibit Suggestions:

- Display or video about environmental challenges, such as climate change, pollution, erosion, etc., describing the causes and their sources, its effect on people and other living things, and potential solutions. Could include news clippings and other media about an environmental issue that you care about.
- Phenology journal used to keep track of environmental changes throughout a season.
- Display showcasing your participation in an event such as a BioBlitz or naturalist program, or other citizen science project to collect data and/or raise awareness.
- Complete a community map or assessment, to observe environmental needs and community assets.
- Vlog detailing hiking, camping, paddling, backyard, and other explorations/adventures
- A display or journal of Minnesota plants, insects, animals, birds or fish. Include pictures or drawings and information on habits, foods, and shelter needs.
- Collection of wildflowers growing near where you live or a place you visit.
- Experiment related to local environmental engineering and/or technology applications: such as urban design, pocket prairies, roadside management, eco-friendly buildings, etc.

- Pros and cons regarding a specific piece of environmental policy and/or management.
- Choose one living thing in the forest, field or stream and make a display to describe its ecosystem and/or the flow of energy throughout the ecosystem.
- Investigate an invasive, threatened, or extinct species in your area. Where do invasive species come from and is it considered invasive in its native area? What threatens them and what can be done about it? Why do species go extinct and as that happened in the area where you live?

Requirement:

- Follow local or state policies for collecting, removing and/or transporting plants and other organisms

FOREST RESOURCES

Exhibit Suggestions:

- Identify the parts of a tree and what they do with a poster or collection of leaves, seeds, needles, etc.
- Display showing tree growth; annual ring cross-sections; make a seed collection.
- Prepare a report with drawings about your favorite tree--include name of tree, drawings or pictures of tree, facts and uses of the tree, and other appropriate information.
- Display showing layers of the forest; renewable versus non-renewable resources; forestry careers; leaf and twig identification; taxonomic keys; nutrient road maps.
- Display on forest ecosystem health such as succession; tree and forest measurements; fire's effect on the forest; how trees grow; forest types; harvesting methods; pathology of the forest, invasive species, human impacts on the forest.
- Photographic display or report on forest products or industries, including maple syrup production; wood products; Christmas trees or others (recreation, wildlife, etc.).
- Display on woodland management such as policies created by the U.S. Forest Service or specialized design including shelterbelts/windbreaks and urban forestry.
- A video or display about the human health benefits from trees, and what role trees play in global ecology.
- Organize or take part in a mass tree planting and calculate the amount of carbon that will be offset
- Explore the history of forestry through the lens of indigenous practices or the effects of treaties. How have these relationships impacted people and landscapes?

Requirements:

- Follow local or state policies for collecting, removing and/or transporting plants and other organisms
- Specimens should be mounted on cardboard or other sturdy material.

GEOLOGY

Exhibit Suggestions:

- Display of rocks, minerals, gemstones, a rock plate; can be displayed in an egg carton for younger youth, or in a display case as youth progresses in the project; include in the display, labels of specimen name and location collected.
- Rocks, minerals, or fossils from within Minnesota or on a definite theme such as metamorphism, weathering, quartz minerals, ores, or a theme of your own choosing.
- Polished rock specimen; include an unpolished specimen of each rock type for comparison.
- Educational exhibit showing the "science how's and why's" dealing with the principles of geology and natural earth sciences.
- Exhibit explaining the three main rock types (Igneous, Metamorphic, Sedimentary) include examples of each.
- Model of a geologic earth structure or feature such as volcano, mountain range, plate tectonics, earthquake, cave, glacier.
- Timeline of geological time scale.

WATER RESOURCES

Exhibit Suggestions:

- Demonstrate water's unique chemical/physical properties, such as how heat and salt affect water density or how a wetland ecosystem changes throughout the seasons
- Project showing how water is necessary for life, such as a display on water/wetland ecosystem services like filtration or nutrient cycles from plants
- Share how water connects earth systems like a poster displaying your local water cycle or watershed
- Research your local water body's thermoclines or nutrient cycles

- Display on how water is used by people, such as:
 - A record tracking your family's water footprint at home, or
 - A model showing stormwater runoff, or
 - A map showcasing water accessibility or insecurity in a specific region of the world
- Exhibit detailing water/wetland resource management measures like erosion control practices, and terraces, or a map of local, regional, state, or global water bodies and water quality.

Requirements:

- Follow local or state policies for collecting, removing and/or transporting plants and other organisms

NEEDLE ARTS

Exhibit suggestions:

- Any item made by the member using the techniques of knitting, crocheting, embroidery and crewel, counted cross stitch, needlepoint, hardanger, weaving, appliqué, latchhook, tatting, hand embellishments, felting, hand embroidery.
- Consumer Product Analysis: Comparison and evaluation of materials, supplies, or accessories used for a needle arts technique.
- Poster or display showing how needlework product is or could be priced, advertised and marketed.
- Poster or display comparing different techniques of a particular needle art (ex. different felting techniques, different stitches).
- Poster or display showing how to care for your project supplies (ex. storing, organizing, cleaning).
- Historical/Cultural Study: Story, poster, or display about a needle arts heirloom from your family or local history museum. Exhibit must include information about how item should be preserved.

Requirements:

- This project area is for projects created using a hand needle, hook, shuttle or loom.
- Each exhibit must include a consumer information tag, if appropriate, with the following information: pattern name and source, fiber content, and care instructions.
- Exhibitor should be prepared to discuss techniques, fiber content, care instructions, and cost. Exhibitor is encouraged to bring instructions, pattern, or other educational sources used.
- Projects must be finished and ready to display. If an item is framed, a wall hanging, or to be displayed on a wall, it should be finished and ready to hang.
- Project kits are acceptable in this project area. The project must meet all other requirements.

PERFORMING ARTS

Judged on **Friday, August 9** at 11:00 a.m. at the Fair Square.

Requirements:

- Exhibit can be either a performance or an exhibit that shows a member's involvement or interest in the performing arts.
- Entries in Performing Arts are distinct from Share-the-Fun in the intention behind the entry. Performing Arts entries will be judged based on the criteria identified below and on an individual basis, even in group performances.
- An exhibitor may submit entries in both performance and non-performance based classes (e.g. a member may perform a puppet show that they wrote as a performance based exhibit and submit the script as a non-performance based exhibit

PERFORMANCE BASED

Exhibit Suggestions:

- Perform a short story, show scene, music selection, dance, monologue, poetry, etc.

Requirements:

- A performance in music, dance, drama, etc.
- A performance cannot last longer than 5 minutes.
- Performances may be given as a solo, duet, or a small group.
- To be eligible for State Fair, the member must be able to discuss the process of selecting, planning, performing and reflecting on their project work.

- The technique and artistry of the performance will be considered.

NON-PERFORMANCE BASED

Exhibit Suggestions:

- An educational display on some aspect of music, drama, dance, or performing.
- A journal or scrapbook (with written statements) of current performing arts experiences.
- A written piece such as poetry, sheet music, or other physical artifact intended for performance created by member.

Requirements:

- An exhibit such as a poster or display that shows a member's involvement or interest in the performing arts.
- To be eligible for State Fair, the member must be able to discuss the process of selecting, planning, creating and reflecting on their project work.
- The workmanship, general appearance and technique used to develop the exhibit will be considered.

PETS

Note: To include Dog, Cats & Pets projects

CATS

Exhibit Suggestions:

- Educational display explaining cat care, health, nutritional needs, etc.

DOGS

Exhibit Suggestions:

- Educational display explaining dog diseases, breeding, training, caring for dogs at humane society, information about therapy dogs, etc.

PETS

Exhibit Suggestions:

- Educational display explaining pet care, health, nutritional needs, etc.

LIVE PET SHOW

- Held on Friday, August 9 at 10: a.m. at the 4-H Building

PHOTOGRAPHY

Requirements for BOTH Elements of Photography and Photo Manipulation:

- All photos exhibited must have been taken/produced/enhanced by the exhibitor during the current year
- The exhibitor's name, club, county and exhibit class should be clearly printed on the back of the exhibit.
- Unaltered 4"x6" photos must be attached to the back of any exhibit
- For safety, picture frames or glass are not allowed
- Exhibits with multiple photos should use 4"x6" prints - multiple photos should be displayed on a board (see below for board information)
- Enlarged photos should be 5"x7" or 8"x10"
- Photos should be mounted on a mat board, foam board, or poster board using neutral colors (white, tan, gray or black). Do not use construction paper, cardstock, colored paper or wrapping paper. Photos should not be mounted on any type of flexible/bendable paper.
- Use a 14" x 22" board for 5 or more photos in an exhibit. Cut smaller boards for enlargements
- Exhibits should reflect the appropriate size for the item designed, e.g. the photos used for an ornament, a calendar, a poster, or brochure would require different sized photographs.
- Learn how to prepare your photos for the fair
 - Video Tutorial z.umn.edu/4HPhotoPrepVideo
 - Slideshow Tutorial z.umn.edu/4HPhotoPrepSlideshow

Equipment:

- Use any device capable of capturing a photographic image to be printed: digital or film camera, cell phone, tablet or drone. A computer, phone or tablet is required for photo manipulation.
- Please note: Supervision of the drone operator is important until they understand not only how to use a drone but also understand the etiquette and rules for using the drone. For information see: <https://www.faa.gov/uas> (unmanned aircraft systems)

Photo/Video Release Form - Use this form when including any person in your video that is NOT in 4-H. This verifies that the subject has agreed to have their photograph taken. Keep this signed form in a file. Here is a link to the Photo & Video Release form in [English](#), [Spanish](#), [Hmong](#) and [Somali](#).

Resources

- This [presentation](#) explains what the difference is between elements and manipulation, software options and information on how to talk to a judge.
- [State Fair photos, examples of Photo Manipulation](#)

Elements of Photography

This exhibit will focus on what makes a good photograph (composition, light, shutter speed, color, depth of field, leading lines, etc). Only select whole image edits or modifications are allowed in post-production. Post-production is any adjustment made after the photo is taken using editing software. Allowed whole image edits must be applied to the entire image and not specific areas of the photo. Allowed whole image edits include:

- Cropping
- Exposure correction
- Color saturation
- Contrast
- Sharpening
- Conversion to black & white

On-camera filters: a physical filter that attaches to the camera lens (neutral density, polarizer, various colors, etc) are allowed.

Exhibit Suggestions:

1. Photo Story
 - a. Show a town's history or a family history. This could include photos of historic buildings, old photos copied from the historical society or library, family or individual portraits, etc.
 - b. Develop a documentary of another of yours or a friend's 4-H project or of your 4-H club's community service project
 - c. Document environmental issues such as the plight of pollinators, pollution, soil erosion, or the steps taken to improve the environment
 - d. Present a day in the life of – farm or city youth, a local professional person such as a school nurse or a firefighter, law enforcement office, or other interesting personality
 - e. Exhibit a series of photos on how to make or do something
2. Common Theme or subject
 - a. Display a series of 3 to 7 photos of a common subject such as people, buildings, landscapes, animals, seasons, action, nature, weather, close-ups, etc.
3. Showcase a Photographic Elements
 - a. Display a series of 5 to 7 photos that illustrate some photographic element such as composition, lighting, shutter speeds, depth of field, color, contrast, cropping, etc.
4. Panorama
 - a. Show a single image created in camera or a triptych (set of 3 photos intended to be used together) of several images created by moving the camera. A triptych may consist of separate images that are variants on a theme, or may be one larger image split into three.

Three entries allowed per exhibitor.

PHOTO MANIPULATION

This exhibit will focus on using photography to show creatively edited photos and how photography is used in everyday life. Software editing is required for this category and may include:

- Layering
- All digital filters (except black and white)
- Creative coloring
- Removing or adding objects
- Text additions
- Etc.

Entries in this category must involve editing with software such as Photoshop, Lightroom, iPhoto, Picasa, Gimp, Picmonkey, Pixi, Microsoft Publisher, etc.

- Suggested softwares (all can be used on Android, iPhone, and iPad): Snapseed (easy to use and does a nice job), Adobe Photoshop Express (good option for those wanting to grow into Photoshop), Pixir (2nd to 6th grades only), PicsArt Photo Studio (powerful photo and video editing app).

Please view the "[Introduction to Photo Manipulation](#)" slideshow for specific examples and explanations.

Stock photos are not allowed. A stock photo is a photo taken by another person (not yourself) who has licensed their photo for specific uses by others. All images used in photo manipulation exhibits must have been taken by the exhibitor. Examples of images not allowed include: an image of space (taken by NASA) as the background of your photo or if you want a shark inserted into your composite image, you must take a photo of a shark.

Exhibit Suggestions:

1. Composite Photo: Multiple images combined into one image
 1. Panoramas (overlapping areas of several photos and stitching them together in post-production)
 2. the same person in multiple places within the photo
 3. replacing the sky
2. Single Source Image Manipulation
 - acne removal, eye enhancement, teeth whitening, etc.
 - selective color manipulations (i.e. converting everything to black and white except items that are the same color red)
 - apply digital filters (other than black and white)
 - removing distractions in the background, etc.
3. Photo Series:
 - Make a series of 5 to 7 digitally edited photos that illustrate a common theme such as environmental issues, plight of pollinators, how to do something, etc.
4. Enlarged Photo:
 - Show a 5"x7" or 8"x10" print that has been digitally enhanced and illustrates software skills. An unaltered 4 x6" print must be attached to the back of the exhibit.
5. Publications:
 - Show calendars, brochures, posters that are created using computer software
6. Photo Novelties:
 - Display mugs, puzzles, blankets, or other media on which photos have been printed
7. Slide Show:
 - Make a compilation of photos with titles, voice-over or background music. For judging, exhibitors can show their exhibit on a 14" x 22" poster board, computer or tablet.

Three entries allowed per exhibitor.

PLANT SCIENCE

AGRICULTURAL TECHNOLOGY

Exhibit Suggestions:

- A display or presentation highlighting the technology used in agriculture such as GPS tools, drone use, implement technology, yield mapping, genetic engineering, seed traits, agricultural chemistry, precision agriculture, on-farm research, side-by-side trials, etc.
- A drone showcase explaining precision agriculture
- A display demonstrating automated tractors

CORN

Exhibit Suggestions:

- A jar or clear container (equalling 8 cups) of shelled corn.
- A display of ears of dent corn, consisting of 6-10 ears of corn of the same variety.
- A bundle of corn stalks, consisting of stalks of the same variety.
- An educational display illustrating corn's plant reproduction, different types of corn, plant growth factors, plant characteristics, plant part identification, growing and using plants, plant growth and food production, examples of a plant disease, etc.
- A display using a 4-H project kit (a corn stalk growing out of a five-gallon pail).

Requirements:

- Crop must be grown on a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous growing season.
- Include an information card listing the variety, soil, and agronomy information of the crop if the exhibit is a crop sample.
- Be familiar with crop input costs and the growing process.

FORAGES

Exhibit Suggestions:

- A dried sample, in a 3-5 inch tied, dried bundle, clear container of ensiled forages or in a sample 4-6 inch slab of a bale of forage. Forages include alfalfa, warm-season grasses, cool-season grasses, sorghum, native grasses, silage, etc. It is recommended that a sample analysis of your forage accompanies the sample.
- An educational display illustrating one of the following ideas: nutritional analysis of feedstuff, plant reproduction, plant growth factors, plant characteristics, growing and using plants, plant growth and food production, examples of a plant disease, etc. of forages.
- A display using a 4-H project kit (grass grown in a container showing how forages are grown).

Requirements:

- Crop must be grown on a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous growing season.
- Include an information card listing the variety if the exhibit is a crop sample.
- The sample could be in a clear plastic container or a large clear plastic bag.
- Be familiar with crop input costs and the growing process.

PLANT AND SOIL SCIENCE

Exhibit Suggestions:

- Take soil samples and compare soil analysis (soil analysis can be done by obtaining kits at your local Extension Office).
- An exhibit showing different varieties of cover crops, etc. (seed or plant)

- A plant life cycle exhibit highlighting the growth of a plant from seed to a mature plant.
- A display using a 4-H project kit (using a root viewer to show the soil and root structure of plants).

SMALL GRAINS

Exhibit Suggestions:

- A jar or clear container (equalling 8 cups) of any small grain variety. This could include wheat, oats, rye, barley, etc.
- A dried sample, in a 3-5 inch tied, dried bundle of the same variety.
- An educational display illustrating one of the following ideas: plant reproduction, plant growth factors, plant characteristics, usage of plants, plant growth, food production, examples of a plant disease, etc. of small grain.

Requirements:

- Crop must be grown on a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous growing season.
- Include an information card listing the variety if the exhibit is a crop sample.
- Be familiar with crop input costs and the growing process.

SOYBEANS

Exhibit Suggestions:

- A jar or clear container (equalling 8 cups) of soybeans.
- A dried sample, in a 3-5 inch tied, dried bundle of the same variety.
- An educational display illustrating plant reproduction, plant growth factors, plant characteristics, usage of plants or seeds, plant growth and food production, and examples of a plant disease, etc. of a soybean.
- A display using a 4-H project kit (growing soybeans in a five-gallon bucket).

Requirements:

- Crop must be grown on a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. The crop must have been grown in the current or previous growing season.
- Include an information card listing the variety if the exhibit is a crop sample.
- Be familiar with crop input costs and the growing process.

SPECIALTY CROPS

Exhibit Suggestions:

- An adequate sample of a specialty crop such as sugar beets, edible beans, black beans, kidney beans, field-produced sweet corn, peas, carrots, potatoes, popcorn, etc. Dried products should be in a jar or clear container (equalling 8 cups); fresh products on a plate or flat box.
- A dried sample, in a 3-5 inch tied, dried bundle of the same variety.
- An educational display illustrating one of the following ideas: plant reproduction, plant growth factors, plant characteristics, usage of plants, plant growth, food production, examples of a plant disease, etc. of a specialty crop.

Requirements:

- Crop must be grown on a farm with which you have a relationship with the producer and have interviewed the producer about the growing process. Crops must have been grown in the current or previous growing season.
- Include an information card listing the variety if the exhibit is a crop sample.
- Be familiar with crop input costs and the growing process.

WEEDS & PESTS

Exhibit Suggestions:

- A display or presentation highlighting any current pests in agriculture or horticulture. Could include their life cycle, prevention or treatment, their impact on the plant, etc.
- A weed display or book identifying different weeds in agriculture or horticulture. Highlight one weed in-depth, a class of weeds (such as grasses or broad leaves) or a collection of different weeds. Could include identification details, life cycle, weed control, the impact on crop production, etc.
- A display, book or poster identifying insects that are harmful to crops or other plants.
- *Note: Do not include live or dried noxious weed samples in your display (check the current listing at <https://www.mda.state.mn.us/plants/pestmanagement/weedcontrol/noxiouslist.aspx>). If you are bringing in a sample of weed seeds, put it in a sealed container.

POTATOES

See "Vegetable, Fruit and Herb Gardening" section

QUILTING

Project Description: Quilting is the term given to the process of joining a minimum of three layers of fabric together either through stitching manually by hand using a needle and thread, or mechanically with a sewing machine or specialized longarm quilting system. (Wikipedia)

Exhibit Suggestions:

- A quilted item, any finishing technique acceptable. Examples: potholder, table runner, doll quilt, bed-sized quilt
- Repair, repurposing, or re-design of a previously finished quilt. Example: an heirloom quilt with significant repairs or turned into another quilted item.
- A display on a quilting topic of your choice. Examples: the history of quilting/quilting patterns, a comparison of different fabrics or threads, different types of quilting notions and tools, piecing techniques.

Requirement:

- Attach an index card which includes: pattern name and source, fiber content of fabric & batting, and care instructions.
- Finishing techniques may be machine quilted, hand quilted or hand tied. If not quilted or tied by the 4-H'er, exhibitor must state who tied or hand/machine quilted the final project.
- Techniques used, size, and difficulty of the project should be based on the exhibitor's sewing/quilting experience level.

SAFETY

Exhibit Suggestions:

- A First Aid or Childcare Kit with explanations for the items you included.
- A Public Service Announcement and/or social media toolkit to promote a safety topic of your choice.
- List tips for being safe when home alone, such as emergency numbers to call, safety while preparing snacks, keeping doors locked, etc.
- Attend and report on a safety program such as farm/livestock/animal, fire, food, firearms, ATV, watercraft, wilderness/outdoor, traffic, bike, personal, online, sun/skincare or others.
- Interview a safety professional and showcase their advice.

Requirement:

- Abide by local, state and federal laws regarding your safety topic
- Please contact 4-H staff if your project is an oversized exhibit

SCIENCE INQUIRY

Project Description: In this project area, 4-H youth explore and become confident in the process of doing science through science inquiry. Science inquiry is a systematic process where a curiosity or question is explored, leading to new knowledge or understanding about a phenomenon (an observable fact or event).

Exhibit Suggestions:

- Video of you exploring the physical properties of slime using different materials/recipes to make slime

- Display different types of birds feeders you used to determine if there is a preferred bird feeder type in your backyard
- Powerpoint showing the different types of frogs you found in a pond as you investigated the difference in the frog species in the spring and the frog species in the summer
- Display showing the different types of treats and the data you collected as you explored how your dog responds to different treats during training
- Tri Fold display board showing the results of your investigation of different types of sunscreen to see their effects on UV beads
- Slide show illustrating different water filtration systems you tested and the results you analyzed to identify which one resulted in the cleanest water
- Display the rock candy created as a result of investigating how the concentration of sugar affects crystal growth

Requirements:

- Include the question, issue, or phenomena being investigated
- Include a description of how a science inquiry process was used to help understand the phenomenon being investigated or studied
- Explain each step followed during the science inquiry process.

SELF-DETERMINED

Project Description: The Self-Determined project area is intended for those projects that might not fit within other categories and for those learning experiences that members select, plan, and manage on their own. It is distinct from learning experiences determined or guided by others (e.g. school work, club-determined projects). This is not a “catch-all” category but rather is focused on intentional self-directed learning. Members should be able to describe what they did, how they reflected on it, and how they applied what they learned.

Exhibit Suggestions:

- A portfolio describing the selection, planning, and management of a service learning project and what the member learned during the experience.
- A trifold display made as part of a school assignment with the addition of an accompanying journal describing the process of developing the display and capturing reflection on learning during completion of the assignment
- A photo collage capturing the experiences and stages of development of an event planned and facilitated by the member either individually or as part of a team
- A video or digital blog capturing the “behind the scenes” work, reflection, and application of concepts done by an individual member while working as part of a team on a project or assignment A lego creation (not a kit) intended to include some deeper thinking and learning that is not encapsulated in any other project, requiring the exhibitor to create their own learning path.

Requirements:

- A self-determined project will be judged primarily on the self-guided learning experience. While the artistry and craftsmanship of the exhibit itself will be considered, emphasis will be placed on the selection and identification of the self-guided learning experience and the ability of the member to convey the experience and what was learned from it. If the member wishes to be judged on the exhibit’s craftsmanship or artistry, the exhibit should be entered within the appropriate project area (e.g. a project in seed art should be submitted within Crafts and Fine Arts project area if looking to be judged on the quality of the final product and the process and learning associated with its assembly).
- Exhibits consisting of projects or assignments done for school or other organized learning environments must indicate how the member went above and beyond the requirements of the assignment/project and individualized the learning to meet their own goals and desired outcomes.
- Exhibits may be submitted by individuals or teams. A team may consist of not more than three (3) individuals. Team members will be judged collectively.
- To be eligible for State Fair, the member(s) must be able to discuss the process of selection, planning and management of a self-determined learning experience.

SHOOTING SPORTS

Exhibit Suggestions:

- Safety techniques applied to shooting activities (e.g., range commands and range safety, eye and ear protection, cleaning a firearm, dressing for safety-first aid, survival skills, etc.).
- Shooting Skills (e.g., basic safety rules, basic parts and functions of each piece of equipment, care and maintenance, accessories, position, etc.).
- Design and create shooting sports equipment (e.g., pellet stand, kneeling role, target stand, quiver, etc.)
- History and nomenclature of firearms.
- Sportsmanship: Ethical behavior and responsibility.

Requirements:

- No explosive materials are allowed. Arrow tips or broadheads should be removed for display but may be included as part of the judging experience if secured for safety.
- Exhibits including firearms & bows must be sporting varieties only. Exhibitors must include a color photo of the item to be left on display - bows and firearms will not be left on display. The photograph should be taken prior to the county fair and attached to the display.
- MN and 4-H regulations for handling and storing firearms must be followed.

SHOP

See “Industrial Technology” section

SMALL ENGINES

See “Mechanical Science” section

TECHNOLOGY

Note: Includes Aquatic Robotics, Computer & Robotics exhibits.

Project Description:

Share what you’ve learned about computers, technology, using Aquatic Robotics and/or programming and/or another type of robot or a robotics class or program.

Exhibit Suggestions:

- Robot, Edison robots, EV3, WeDo, Osmos, VEX (or other types of robotics); (Have a photo of the robot if you do not intend to leave the robot on display)
- Display the robot using diagrams of programming, photos, booklets, etc
- Video of robot in action
- Exhibit an ROV (Remote Operated Vehicle); show the use in identifying Aquatic Invasive Species (AIS) and providing education
- Explain the foundations of computers and explore how computers work for various projects.
- Build a robot with labels describing how it works and/or accompanied with a binder of how it works
- Share software you created and how it works
- Learn about cyberbullying and explain prevention techniques
- Share about a robotics class you participated in and what you learned
- Create an educational app
- Explore computer-based careers
- Design computer hardware/software

Requirements:

- Include description, images/photos needed to assist with verbal or written description
- Description(s) can be verbal or written
- Computers, smartphones, tablets, ect. can be used during the judging process

TRACTOR

See “Mechanical Science” section

VEGETABLE, FRUIT AND HERB GARDENING

FRUIT

Exhibit Suggestions:

- Fruit should be brought in an appropriate size clear container for displaying fruit.
- Display showing a comparison of several varieties of the same fruit (labeled); display using a branch to illustrate proper pruning of fruit trees and explaining the process; illustrate the many uses of fruits (fresh, jams, juices, cooking, baking, salads and recipes); illustrate the use of fruits as natural dyes.
- Educational display illustrating diseases (actual specimens) or insects (actual specimens) and methods of control.

Requirements:

- If displaying a fruit sample, the exhibitor should bring 4-6 items of one variety of fruit and include an information card listing the varieties of fruit.
- The exhibit must be produced at home or by a close relative. CANNOT BE STORE PURCHASED.

HERB GARDENING

Exhibit Suggestions:

- Educational display showing some aspect of raising or using herbs.
- An herb container garden planted in a tub, pot, or planter.
- A dried sample of herbs you have raised, harvested, and dried (in an airtight container)
- A display using a 4-H project kit (growing a variety of herbs in a container).

POTATOES

Exhibit Suggestions:

- Display a box (fruit crate size) or clear Rubbermaid container of potatoes that contains all the potatoes in that hill (all the potatoes one plant produced)
- Display a box (fruit crate size) or clear Rubbermaid container of 6-10 potatoes from one or two hills of the same variety of potato.
- Educational display illustrating diseases and control, methods of mulching and reasons, causes and effects of sun-scald.

Requirements:

- If displaying a potato box (fruit crate size) or clear Rubbermaid container, you need 6-10 potatoes of the same variety or 2-3 varieties (this year's crop) similar in size to the variety identified on an information card.
- Be familiar with crop input costs and the growing process.
- The exhibit must be produced at home or by a close relative. CANNOT BE STORE PURCHASED.

VEGETABLE GARDENING BOX

Clarification - Vegetable Variety is either Large, Medium or Small

Exhibit Suggestions:

- A box (fruit crate size) or clear Rubbermaid container used to display vegetables.

Requirements:

- Label vegetables with proper variety names on an information card.
- When exhibiting a collection of vegetables, the collection should include six different kinds of vegetables (For example: 1 large variety + 3 medium varieties + 2 small varieties)
- 6 different vegetable specimens for this exhibit choosing any combination of the following:
 - One large vegetable specimen (cabbage, squash, melon, pumpkin, cauliflower, etc.)
 - Three different medium-sized vegetable specimens and 3 of each specimen (tomatoes, onions, peppers, cucumbers, kohlrabi, carrots, beets, turnips, etc.)
 - Two small vegetable specimens and 6-12 of each specimen (green beans, peas, lima beans, etc.)
- Potatoes may not be included (enter under the Potato project).
- The exhibit must be produced at home or by a close relative. CANNOT BE STORE PURCHASED.

VEGETABLE PLATE

Clarification - Vegetable Variety is either Large, Medium or Small

Exhibit Suggestions:

- On a disposable plate, display an example of ONE vegetable variety.
- Examples of individual variety on a plate include:
 - Large-sized vegetable specimen: 1 sample (cabbage, squash, melon, pumpkin, cauliflower, etc.)
 - Medium-sized vegetable specimen: 3 of each specimen (tomatoes, potatoes, onions, peppers, cucumbers, kohlrabi, carrots, beets, turnips, asparagus, etc.)
 - Small sized vegetable specimen: 6- 12 of each specimen (green beans, peas, cherry tomatoes, jalapenos, lima beans, etc.)

Requirements:

- Label vegetables with proper variety names on an information card.
- Only have one vegetable variety (Large, Medium or Small) on the plate. (For example: Variety is Medium sized - three onions).
- The exhibit must be produced at home or by a close relative. CANNOT BE STORE PURCHASED.

LARGEST VEGETABLE

Exhibit Options:

- Squash
- Cabbage
- Pumpkin
- Melons
- Tallest Stalk of Field Corn

Requirements:

- Include an information card with name, plant variety and date planted.
- Stalks of Field Corn should have roots on the stalk.
- The exhibit must be produced at home or by a close relative. CANNOT BE STORE PURCHASED.

VEGETABLE GARDENING

See "Vegetable, Fruit and Herb Gardening" section

VETERINARY SCIENCE

Project Description: Veterinary Science is a more in depth project exploration around veterinary science topics. Be prepared to discuss research techniques and source information as part of the project judging.

Exhibit Suggestions:

- An exhibit focused on technology or industry advancements in veterinary science
- An exhibit on diseases of animals focusing on the history, management, prevention, etc.
- An exhibit on use of different medications in veterinary science focusing on dosage, records, implications of use, impact on the industry
- An exhibit focused on surgical and nonsurgical procedures used in veterinary medicine (spaying/neutering pets, embryo transfer, wellness visit, etc.).
- An exhibit focused on careers in veterinary science exploration (such as job shadowing, interviews and opportunities)
- Create a 3-D model of the skeletal system of the animal of your choice

VIDEO / FILMMAKING

Video/Filmmaking

Video/Filmmaking – Production Team (2-3 members per team)

Requirements:

- It is encouraged that when developing a 4-H video/filmmaking exhibit, members will develop skills beyond the classroom.
- It is recommended that the video/filmmaking exhibit be 3-5 minutes and no longer than 10 minutes.
- All video/filmmaking exhibits must be made by the exhibitor OR by a production team of which the exhibitor must be a member
- The exhibitor's name, grade, and club must be clearly printed on all exhibit pieces.
- All video/film footage exhibited must have been made/created DURING THE CURRENT 4-H YEAR. When appropriate, (i.e. historical sequences) older video clips can be used.
- The member should provide the video file even if sending it electronically.
- Video/film must be presented on DVD, flash drive or CD. Participants are also allowed to upload their video to YouTube.
- Videos can also be delivered via Youtube, Vimeo, Frame.io or similar online based presentation sites.
- Video/film needs to be in presentation form, including a title and credits
- The video/film must be original material. Any video/film exhibit, which appears to contain copyrighted material, including music, will not be publicly displayed unless the exhibitor has written permission from the producer to use the material in the video/film. Portions and music from other sources must be documented and have a copyright release. Learn more about copyrighted material and finding material that is public domain or released under the Creative Commons license at z.umn.edu/free4u.
- A computer must be brought for viewing the video/film during the conference judging, other arrangements need to be made in advance with the 4-H staff
- Video/film must be playable on Windows, use file format including .WMV, .FLV and .MPEG, .AVI, .MOV, .AVCHD, .MPEG-1, .MEG-4, as well as a playable DVD.
- 4-H videos must adhere to G or PG (parental guidance) standards. The 4-H Code of Conduct requires respectful behavior, so you may not depict: violence, obscene language (or naughty words) including swearing, rude interactions or insults, or use or visibility of guns or fighting, etc. Remember not only teens and pre-teens view the videos but young children and their parents. Keep this in mind when creating your video.

Note: This is not a slideshow (see Manipulated Photography for slideshow)

Video Release form - it is important to learn how to use this form when including any person in your video that is NOT in 4-H. This verifies that the subject has agreed to be in your video. Keep this signed form in a file. Here is a link to the Talent release form in [English](#), [Spanish](#), [Hmong](#), and [Somali](#).

Equipment: Any electronic device capable of capturing a video image video camera, digital camera, DSLR, time lapse camera or trail camera, cellphone, tablet, GoPro or drone with attached camera (operator must meet age requirements to use a drone).

- Note: Supervision of the drone operator is important until they understand not only how to use a drone but also understand the etiquette and rules for using the drone. For information see: <https://www.faa.gov/uas> (unmanned aircraft systems)

Exhibit Ideas:

- Showcase various video/film techniques
- A selected subject. Include a short storyboard or outline
- A poster that illustrates how a video/film camera works, or how to care for video/film equipment, illustration of computer video/film creation, etc.
- A video/film made by blending computer technology and traditional camera created video/film.
- A video/film using data from trail camera or time lapse camera (stop action video) or drone with attached camera (see note related to drone use).
- A video/film using Claymation or stop action
- Document environmental issues such as the plight of pollinators, pollution, soil erosion, or the steps taken to improve the environment

WATER/WETLANDS/WATER RESOURCES

See "Natural Resources" section

WILDLIFE BIOLOGY & MANAGEMENT

Project Description: Wildlife biology and management is about taking care of and protecting animals in their natural habitats to ensure their well-being and the balance of nature. Wildlife management is like being a guardian for animals and their homes. It's about making sure they have enough food, clean water, and safe places to live. Wildlife managers also help sick or injured animals and make sure there is a good balance in nature so all animals can thrive.

Exhibit Suggestions:

- Develop a wildlife management plan--show practices related to land use and forest management for wildlife such as controlled burns, logging, planting, etc.
- Explore basic concepts of Wildlife Management (waterfowl wingboards, birdhouse trails, carrying capacity, game animal habitat requirements, history of game management, etc).
- Explain some factors that threaten or endanger animal species such as urbanization, climate change, or habitat loss. Or explore a species that went extinct and why it happened.
- Build a bird or bat house, nesting structure, hibernaculum, animal shelter or feeder and explain the history of artificial shelter structures how it can benefit a species.
- Display a collection of identified wildlife scat (droppings), skulls or skins. How do they differ? Why?
- Show how wildlife can be classified into herbivores, carnivores or omnivores using skull diagrams
- Write a wildlife landscape habitat plan
- Report on animal adaptations, such as animal camouflage. How do adaptations of plants and animals match the environment they live in?
- Make a display that details a food chain/web of a particular habitat.
- Explain the life cycle of your favorite wild animal in a video, poster or display.
- Shadow or volunteer at a nature center or park and share your experience using a journal, video, or display. Learn about rules and policies in place to protect or manage certain species of wildlife.
- Identify, mount and label a book of plants native to a certain region
- Make a display of animal signs, animal tracks, homes or foods
- Do a bird study, including beak type, wings, feet, song, feeding patterns, etc.
- Make a collection of wildflowers growing near where you live or a place you visit

Requirements:

- All wild game used in exhibits must be tagged appropriately according to state laws.

YOUTH LEADERSHIP

Project Description: Youth Leadership is a project area that requires the member to discover their skills and then develop those skills and share them with others. This might happen individually or with a group.

Members exhibiting in this project should be prepared to discuss and/or have written information about what they learned about their ability to lead a project. Members should share how they've built an understanding of self, developed skills, learned how to work with others, overcome obstacles or adjusted goals, developed understanding of making decisions, and/or managed and or worked in groups.

Exhibit Suggestions:

- Share your youth leadership experience. This could include your 4-H youth leadership journey, or your leadership in an organization within your school or community.
- Share what you gained and shared from a conference or retreat you attended.
- Share a personal development plan you have implemented
- Develop a (career and/or college prep) portfolio
- Develop a presentation that illustrates how you've built understanding of self, developed communication skills, learned how to work with others, developed understanding of making decisions, and/or managing and/or working in groups.
- Lesson plan you've developed
- Meeting outline or agenda developed by youth
- Scrapbook outlining participation in leadership programs. Includes personal reflection on leadership growth and development.
- Share how you have taken the lead on a service project, and what leadership skills you gained through the project.

- Share how you have served as a mentor and/or teacher to younger youth (could be with a project area, a club activity or officer role, etc)

Public Presentations

DEMONSTRATIONS

Demonstration - Individual

Demonstration - Team

Demonstration - Cloverbud Individual

Demonstration - Cloverbud Team

LIVESTOCK DEMONSTRATIONS

Livestock Demonstration - Individual

Livestock Demonstration - Team

PRESENTATIONS & SPEECHES

Presentations & Speeches - Individual

Presentations & Speeches - Team

INTERACTIVE DEMONSTRATIONS

Interactive Demonstration - Individual

Interactive Demonstration - Team

Requirements:

- Public Presentations may be related to any project that the member is enrolled in or to any area of interest or expertise the 4-H'er has. Presentations may be an individual or a two-person team.
- **Demonstrations** are an oral presentation that includes actually demonstrating the hands-on steps required to accomplish a task or process. This most often includes the use of physical objects and actual doing or showing. At the end of the Demonstration there should be something of a "finished product". Demonstrations may also include the use of supporting visuals like posters, charts or technology-based options like presentation software (i.e. MS PowerPoint, KeyNote, Google Slides). However, the focus of the Demonstration should be on the "doing", not the supporting visuals. Presentations may be an individual or team. Individual presentations shall not exceed 15 minutes in length and team presentations should not exceed 25 minutes in length.
- **Livestock Demonstrations** include: Beef, Dairy, Dairy Goat, Llama - Alpaca, Meat Goat, Poultry, Rabbit, Sheep and Swine and must include a live animal in the demonstration.. Other demonstrations involving animals can be entered under the demonstration category.
- **Presentations & Speeches** are oral presentations that present an idea, concept, viewpoint or experience in an educational or informative format (not for entertainment or performative purposes). Presentations & Speeches often consist of interaction with supporting visual aids like posters, charts or technology-based options like presentation software (i.e. MS PowerPoint, KeyNote, Google Slides). Supporting visuals may include tangible items, but generally little or no activity takes place with the item. Presentations & Speeches may be an individual or team. Individual presentations shall not exceed 15 minutes in length and team presentations should not exceed 25 minutes in length.
- **Interactive Demonstrations** are oral presentations that are continuous and include hands-on audience interaction/participation. Adequate supplies should be provided by the presenters so that all present can participate in the activity. Interactive Demonstrations may be an individual or team. Interactive Demonstrations are approximately 25-30 minutes in length but for both individual or team. Involving the audience in the process is the primary focus of Interactive Demonstrations and constitutes a major portion of the evaluation results.
- NOTE: 4-H'ers who complete a Public Presentation at the State Fair will receive a \$30 cash award. These payments are made in October. 4-H'ers must be grade eligible to participate at the State Fair.

- NOTE: 4-H'ers may bring one Livestock Demonstration, one Llama/Alpaca Demonstration and one Demonstration, Presentations & Speech or Interactive Demonstration to the State Fair. (This means one during Livestock Encampment, one during Llama/Alpaca Encampment and one during General Encampment).
- NOTE: 4-H'ers that win a trip to the State Fair will be asked to submit a photo of them doing their demonstration to have on display.

Exhibit Suggestions:

- Demonstrations:
 - Teaching others a project or activity such as taekwondo, making lemonade, slime, macrame, etc.
- Livestock Demonstrations:
 - Demonstrate how to care for an animal or prepare it for showing at the fair.
 - Teaching others how to tie a halter.
 - A talk on preventative or veterinary care for a species.
 - Demonstrate how to tattoo an animal.
- Presentations & Speeches:
 - A report on leadership lessons learned through a trip to Washington DC
 - An educational presentation that explores sustainable energy options
 - A persuasive speech exploring Social Media effects on youth mental health.
- Interactive Demonstrations:
 - An interactive presentation that teaches the public how to do something. For example, teaching the audience an origami project where they follow along with your demonstration step-by-step and create the project with you.
 - An interactive yoga demonstration where you teach the audience various poses.

Club Projects

CLUB BOOTH

Requirements:

- The booth should depict an area of work or program of current emphasis.
- Clubs are responsible for the removal of booths at the end of the fair.
- No state fair trips for this division.

CLUB BANNER

Project Description: The club promotional banner serves as a tool to promote the local 4-H club and the county 4-H program and give 4-H'ers an opportunity for artistic expression through advertisement.

Two banners will be selected for the State Fair.

Exhibit Suggestions:

- Banners should have a theme and reflect/represent opportunities in the 4-H program. It should carry the message quickly and simply to the viewer.
- Banners can be 2-D or 3-D

Requirements:

- Banner must be 3' x 5' and designed to hang vertically.
- It must be completed and equipped with a dowel (minimum size 3' 8") and ready to hang.
- Banner must be of fabric (no paper) and can be one or two-sided. If 2-sided, indicate which side you want to be displayed.
- Club name on 3 x 5 card pinned to back. (Any assembly technique can be used.)

COMMUNITY PRIDE - CLUB

Project Description: Share how your club makes their community better by being active citizens and act on the things they believe in.

Two exhibits will be selected for the State Fair.

Exhibit Suggestions:

- Organize an environmental cleanup
- Make or collect and distribute items where needed
- Read to younger kids at the library or school
- Service to nursing home or homeless populations
- Deliver safety education programs such as a bike rodeo or fire safety training

Requirements:

- The exhibit may include a three-sided display, video, or other visual method which visually highlights the entire project or certain parts in a manner which tells the public what positive effects the project had on the community.
- Two club youth who participated in the project may represent the club in conference judging. Youth will explain the purpose of the project, steps in the planning, how the project meets the community needs and the impact it has.

Note: Community Pride participants at State Fair may exhibit another individual project.

CLUB FLOWER BOX

2023 theme: "Hard work brings summer ribbons." Highlight the hard work and dedication of your club members by decorating your flower box with ribbons and other awards/recognition!

No state fair trips for this division.

CLUB SCRAPBOOK

Requirements:

- Show and explain your club activities and participation in community and county events.
- No state fair trips for this division.

Plastic Sculpture Challenge


Project Description:

This project was created to build awareness and knowledge of both the positive and negative impacts of single use plastics and ways to recycle or repurpose plastic. It is also meant to empower 4-H youth to be actively involved as change agents in reducing use of single-use plastics and increasing recycling/repurposing, for their family, their club, their community, their country and their world.

Two exhibits from each county or tribal program will be selected for the State Fair. Note: State Fair Plastic Sculptures will be on display only. No judging will occur at the State Fair. Exhibitors will receive written feedback from a panel of judges.

Requirements:

- Exhibits can be created by individuals or teams.
- 4-H'ers of all ages are invited to explore the plastics issue and create an art sculpture with found plastics.
- If a base is needed, it should be made out of thin wood, plywood, fiberboard, or similar material.
- Sculptures can be any size with a maximum size of: 3 ft. wide x 3 ft. long x 6 ft. tall.
- Must be made of clean (washed) plastics
- Must be multidimensional. Sculptures can be free-standing or should be ready for hanging for display (e.g. wires or hooks for hanging, on a sturdy, movable base, etc.).

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- Suggested materials to attach items together: zip ties, string, rubber bands, art materials, colorful duct tape, or electrical tape. Strong adhesives (such as E6000 and Gorilla Glue) need to be used in a well-ventilated area with adult supervision. Safety note: melting plastic gives off toxic fumes. If using a glue gun, it is recommended to use a cool, “low temp” glue gun.
 - Depending on the size and weight of your sculpture, you might consider adding wheels that lock in place or handles to your sculpture so it is easy to move.
 - If you are unsure about any of these Guidelines, please consult your 4-H Extension Educator.
 - Sculptures should include an Artist Statement (50 words or less) with:
 - Name(s) of Artists
 - Title of your sculpture
 - A statement about what you created and why
 - What materials you used.
 - What you learned and how will it change your use of single-use plastics
 - How others can reduce their use of single-use plastics

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Dylan Wildeman
Energy Economics
English Electric
Farmers Feed & Grain
Feltis Soils and Crop Production LLC
First Bank Blue Earth
First Farmers & Merchants
First National Bank - Spring Valley
Gary & Cindy Ziegler
Gerald Jax
Godfather's Pizza
Grand Meadow Vet Clinic
Grass & Son's
Halbach Farms
Hamilton Auction Company
Hammell Equipment
Harmony Vet Clinic
Harrison Farms
Hayfield T-Shirts
Hefty Seed Co.
Hemann Rentals
Heritage Bank Dennison

High Forest Bobcat
Hormel Foods
Huseby Insurance
Irvin Dairy
JD Driver
JS Simmentals
Laura Meany
LK's Welding
LR Falk Construction
Lyle American Legion
Lyle Lions
Meadow Area Chiropractic
Midwest Autosteer
Morgan Concrete LLC
Mower Co. Corn & Soybean Growers
Mower County ADA
Mower County Fair Board
ONB Bank
Osage Co-op
Parties Made Simple
Peter R. Marx
Pioneer Seed - Daron Small
Potach Mitchell
PT Crops

R&S Grain Systems
Read's Brown Swiss
Remick & Hedi Clark
Ryan & Melissa Smith
S&K Carpentry
Sampson Farms
Sapthre Maple Syrup
Sargeant Grain
Scott Felten

Smidt Companies, Inc
St. Ansgar State Bank
Stacyville LP
Stinger Attachments
Tank Seed Solutions
Thome Family Farms
Thorson Cattle Co.
Tucker Tiling
Ulwelling Farms Rose Creek

Valley Forwarding
Van Buskirk & Sons Excavating
Vrieze Seed
Wallace Livestock
Welsh Farms
Wengers Farm Service, LLC
Zach Nelson Repair

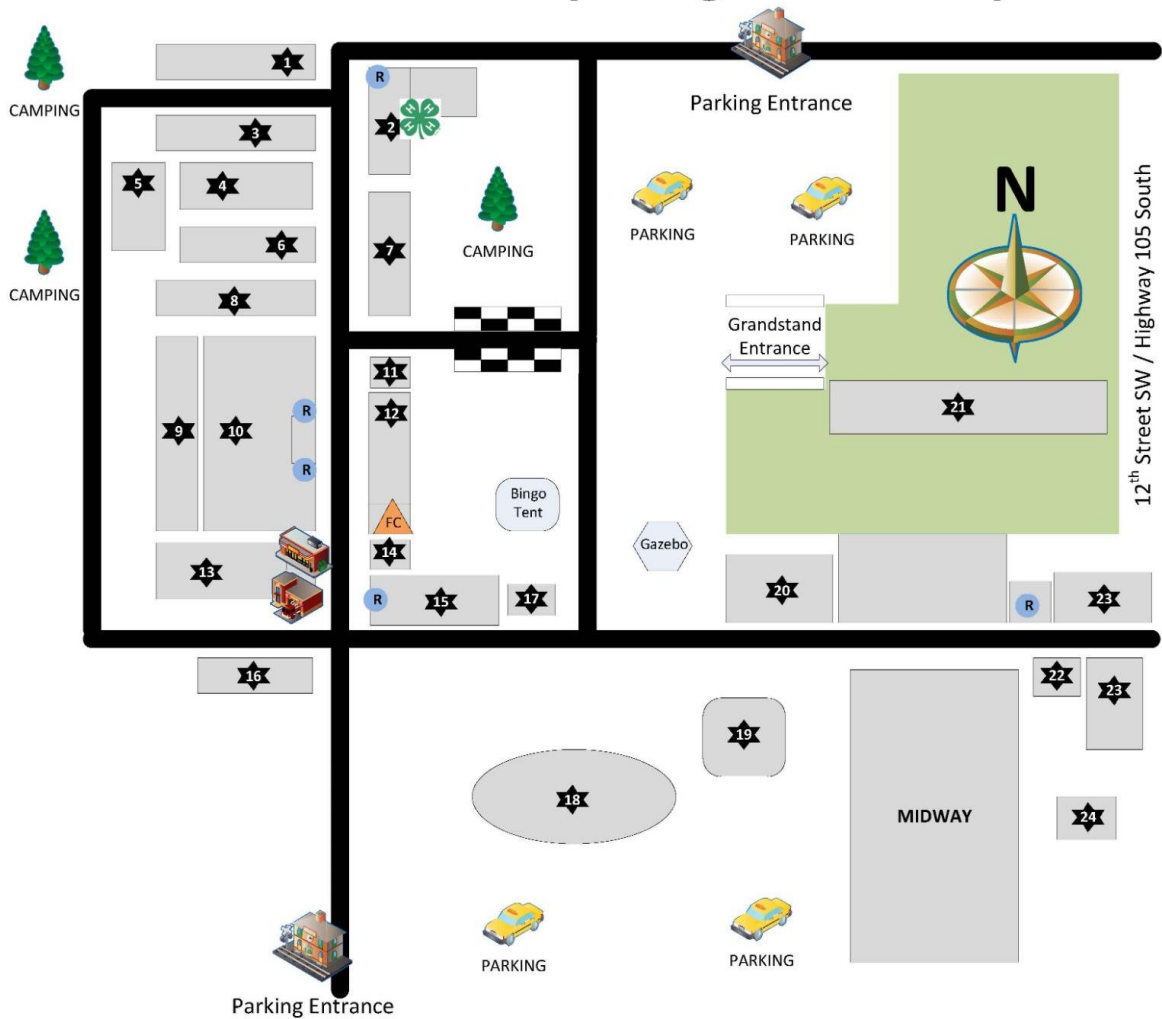
Red Ribbon Level (\$25-\$100)







96 Trucking
Aaron & Cassie Holst
Adam's Builders
Adam's Legion
Advanced Diesel
Alamo Annies
Albert Smith Trucking
Arvig Telephone
Austin Daily Herald
Bill & Mary Harnack
Bing's Liquor (Roeff)
Bisbee Tax Service
Bremer Bank - Austin
Brownsdale Area Businesses
Brownsdale Auto Body
Brownsdale Fire Department
Bustad Dozing
Carr's Bar-N-Grill
Croell Read Mix
Dean Seeck
Denny's Car Wash
Dexter Elevator
Doug's Automotive
Eric Boe & Sons
Evan's Publishing
FarmTech
First Farmers & Merchants
Florence Schaefer Farm
Frontier Lounge
Gary & Tlisa Schaefer
Glynn's Motor Mart
Grand Meadow Business Center


Grass & Son's Seed
Gregerson Towing
Hanson Construction
Heimer Foods
Heller Texels
Hindt Funeral Home
Home Federal Savings Bank
Horse'N Around
Husemoeller Excavating
Irlbeck Grain
J&R Ransom Trucking
Jansen Tree Service LLC
Joe Vogt Custom Pumping
John & Sharon Grass
Julie Grass
Koch Inc
Krueger Trucking
Kulow Truck Line, Inc
Land Resource Management
LeRoy Auto Clinic
LeRoy Commercial Club
LeRoy Lumber
Lunning Construction
Lunning Trucking
M&L Transmission
Mark Larson
Meadowland Soy
MJ O'Connor
Nelson Family Farm
Next Generation Pork
Oehlke Farms
Olson Tree Service

Patriot Travel Plaza
Pell Hauling
Pioneer Seed - Ron Gilgenbach
Quality Pork Processors
Reach Unlimited Possibilities LLC
Reiland Farms
Richard & Bonnie Grass
Rick Welsh
Risius Motor Sales
RMS Farm Supply
Root River Dental
Rouff Inc
Route 63
S&M Controls
S&S Overhead Doors
Schmitz Electric
Scott Morgan Trucking
Seavey Builders
SGI Ag Services
Smith Family Farms
Southland Construction
Superior Contractors
Ted Conradt Plumbing & Heating
Tim's Repair
Tony Mullholland
Tradexpos
Ulven Hardware
Wealth Management Solutions
Weis Landscape
Wiste Auto Service

Mower County Fairgrounds Map



- | | | |
|---|----------------------------------|---------------------------------------|
|  :: ROAD | 1: Creative Arts Bldg | 13: Horse Barn |
|  R :: RESTROOMS | 2: 4-H Bldg & Food Stand | 14: Custodian's Storage |
|  :: HANDICAP PARKING | 3: Poultry Bldg | 15: Plager Bldg (Commercial Exhibits) |
|  :: FAIR OFFICE | 4: Children's Barnyard | 16: Open Sheep Barn |
|  :: SECURITY OFFICE | 5: Sheep Barn | 17: Exhibitor Bldg |
|  FC :: FAIR CUSTODIANS | 6: Rabbit Bldg | 18: Horse Arena |
| | 7: Horticulture Bldg | 19: Fair Square |
| | 8: Cattle Barn | 20: Beer Garden |
| | 9: Swine Barn | 21: Grand Stand |
| | 10: Crane Pavilion | 22: Game & Fish Bldg |
| | 11: Herb & Murl's Food Stand | 23: Historical Society Exhibits |
| | 12: St. Olaf's Church Food Stand | 24: Historical Society Ag Bldg |



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