EASTERN REGIONAL FFA SAFE TRACTOR/EQUIPMENT OPERATING CAREER DEVELOPMENT EVENT

EVENT RULES AND REGULATIONS:

- 1. Each Contestant must wear their FFA Jacket. A 100 point penalty will be added to any contestant not wearing an Official FFA Jacket.
- 2. Only the FFA State Tractor/Equipment Operating Representative that is certified by the respective State Supervisor is eligible to compete in this contest.
- 3. Appropriate Dress-Comfortable shirt and pants and work shoes.
- 4. Any contestant who does not report on time shall be disqualified!
- 5. Only members with previous tractor driving experience will be allowed in the contest.
- 6. Liability and accident insurance will be provided by the Big E. Tractor Operators must send or have with them a signed waiver form. **NO WAIVER-NO DRIVE!**
- 7. Each contestant must complete all events.

EVENT FORMAT

- 1. In case any situation occurs that is not covered in the rules, the decision of the judges and Superintendents will be final
- 2. The contest will consist of five parts, each of which will be scored separately. A written test, tools/tractor parts ID, a two-wheeled manure spreader event, a four-wheeled trailer event, and a skid-loader event.
- 3. Tractors and equipment will be provided for each event. All contestants will use the same tractor and piece of equipment for each event.
- 4. All persons other than the judges, the scorers and the contestants will be barred from the contest area during the contest.
- 5. The Superintendents in charge of this contest will select judges and scorers.
- 6. Meet at Gate 1 Saturday 8 am. Contestants will have time to FAMILIARIZE themselves with the tractors and equipment on the off-site Fair contest.
- 7. The contestant with the lowest deductions will be the winner.

PART I TEST

- 1. The written test will include fifty (50) questions involve but not limited to skill, safe operation and operator maintenance of tractors, skid loaders and equipment.
- 2. Refer to "SAFE OPERATION OF AGRICULTURAL EQUIPMENT" (Student Manual from HOBAR PUBLICATIONS-(800-846-7027) FOR POSSIBLE QUESTIONS.
- 3. The test will include true-false, completion and/or multiple-choice questions.

	a.	TF
	b.	Check thein air cleaners once daily.
	C.	All grease fittings should be 1. Well-oiled, 2. Painted periodically, 3. Greased on schedule
4.	Each qu	uestion answered incorrectly or left unanswered will be valued at ten points.

PART II Tools/ Tractor Parts ID

- Each contestant will identify mechanic tools and tractor parts from a gas or diesel tractor. A total of 30 tools and parts will be identified. They may include but not limited to a torque wrench, open-end wrench, flywheel, piston, or starter etc. Contestants will choose from a bank of answers.
- 2. Each correct answer missed or left unanswered will be valued at ten points.
- 3. Refer to www.snap-on.com, www.valu-bilt.com or www.craftsman.com.
- 4. Text books: Agricultural Mechanics. Cooper-3rd Edition
- 5. General Knowledge Test/Tool ID= 20 Minute Time Period

PART III-VI OPERATING SKILLS EVENTS

The next 3 events will test the skill and ability of the contestant to operate Skid-loaders, tractors, and equipment safely.

Part III Two-Wheel Manure Spreader Event
Part IV - 4 Wheel Wagon Event
Part V - Skid-Steer Event

- 1. Each contestant will start off with a visual inspection of Skid-loader, tractors and equipment. Judges will expect a verbal response.
- 2. The contestant will follow the course outlined by the judge (see attached illustrations.)
- 3. Time starts on a signal from the judge and stops when the contestant returns to original point.
- 4. The contestant will be allowed a maximum of ten minutes for each event. Less time used equals less deductions. The contestant will be notified at eight minutes that two minutes are left. If the contestant does not finish the event in ten minutes, the judge will stop the contestant and an additional 500-point deduction will be added to their score.
- 5. Excessive tractor brake steering will disqualify the contestant from that event.
- 6. Contestants may be disqualified if they are observed not following safety standards, which may endanger themselves, the judges or the public.
- 7. See scorecard for deductions.
- 8. The Skid-Steer event will use pallet forks to move loaded pallets around a course. One pallet will have four five-gallon buckets of sand, while the other has a five-gallon bucket of water!
- 9. Pinning of the 4 wheel wagon will be done by the operator.

NOTE *** CONTESTANTS WILL BE STOPPED BY THE JUDGE WAVING A RED FLAG IF IT IS FELT THAT THE CONTESTANT IS NOT IN FULL CONTROL OF THE SKID-LOADER OR TRACTOR AND SAFETY OF THE OPERATOR AND JUDGES ARE JEOPARDIZED! CONTESTANTS WILL RECEIVE AN ADDITIONAL 500 POINT DEDUCTION!

Note-We hope to use John Deere Tractors and a Bobcat Skid-Loader. Go to www.bobcat.com for a Safety Video. A local dealer supplies John Deere tractors. Check out www.johndeere.com for tractor sizes and descriptions. We usually have 30-60 hp tractors to use.

Score Sheet - Two Wheeled Manure Spreader Event

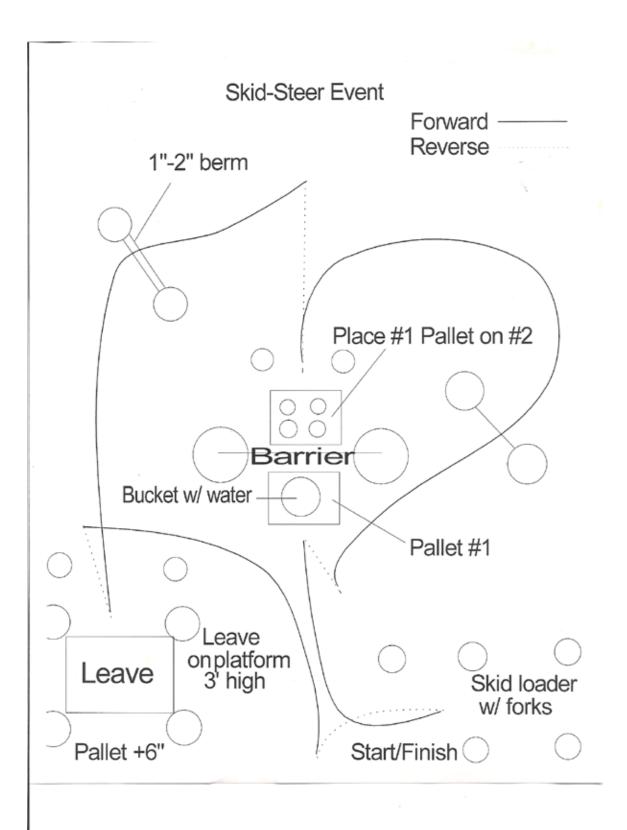
TRACTOR SAFETY RESPO	NSE (verbal respon	ise to Judges)		De	duc	tions
	and starting tractor	.oo to baagoo _j			<u> </u>	
Check fuel and oil g					Х	10
	-	engine running, tractor i	n gear			10
Check tires - by sig		5 5,	J			10
	t, grease, tools, impro	oper attachments, etc				
Check safety belts	, , , ,	,				
Check ROPS					X	2
<u>STARTING</u>						
Transmission not in	Neutral/ Park				Χ	25
Brakes not set						25
Clutch not disengaç	ged				X	15
OBSTACLE COURSE						
For each time tracto	or or manure spreade	r touches obstacles or lin	es		Χ	50
		r knocks down obstacles	or crosses lines		Χ	
	•	n (forward or backward)			Χ	25
Going out the wrong	g gate				Χ	200
BACKING MANURE SPREA	ADER INTO THE ALI	<u>LEY</u>				
Number of inches of	ver three (3) inches fr	om the back of the stall				10
	ff center in the front					
Number of inches o						
		r touches obstacles or lin				
	· · · · · · · · · · · · · · · · · · ·	r knocks down obstacles	or crosses lines			
For each unnecess	ary change of directio	n (forward or backward)			Χ	50
JUDGES OBSERVE AT ALI	_ TIMES DURING AB	OVE OPERATIONS				
Improper mount / di	smount				Χ	50
Failure to use seat	belt				Χ	2
Failure to set brake	s when getting off/or p	out in Park			Χ	50
Sliding or spinning	tires, brake steering				Χ	100
Rough clutch engag	gement				Χ	25
Clashing of gears w	hen shifting				Χ	25
Excessive engine s	peed				Χ	25
Excessive tractor sp	peed				Χ	50
Standing while tract	tor is moving				Χ	100
Moving tractor with	brakes on				Χ	25
	ar or park when getting	g off with engine stopped	I			50
Riding the clutch						25
Any unsafe conduc	t while on or around tr	actor				25
Fouling equipment	(touching spreader w/	tractor wheel)			Χ	50
Rubbing hard					Χ	75
		Sı	ubtotal of Deductions			
If the contestant does not fit tion. Time deduction - conv	ert minutes into seco	nds, add the remaining s	seconds. Divide the total			
		uctions to get the final sc			,	

Score Sheet - Four Wheel Trailer Event

Contestant State	State		
TRACTOR SAFETY RESPONSE (verbal response to Judges)	<u>Deductions</u>		
After walk-around and starting tractor			
Check fuel and oil gauge	X	10	
Check brakes - depress brake pedal with engine running, tractor in gear	X	10	
Check tires - by sight only	X	10	
Check hazards - dirt, grease, tools, improper attachments, etc	X	10	
Check safety belts	X	10	
Check ROPS	X	25	
<u>STARTING</u>		0.5	
Transmission not in Neutral/ Park	X	25	
Brakes not set	X	25	
Clutch not disengaged	X	15	
HITCHING TRACTOR TO FOUR WHEEL WAGON	V	50	
Failure to put transmission in neutral or park Failure to set brakes	X	50	
For each inch over one(1) the wagon is moved	X	50 25	
	^	23	
TRAILER HANDLING	V	ΕO	
For touching line or obstacle For crossing or knocking down obstacles	— X	50 100	
For each unnecessary change of direction (forward or backwards)	x	50	
For fouling equipment (touching trailer tongue with tractor tire,		50	
sliding trailer wheels sideways)	^ ~	50	
TRAILER PLACEMENT IN SHED			
For each inch off center at the front of trailer	Х	10	
For each inch off center at the rear of trailer		10	
For each inch off from rear of stall over three (3) inches	x	10	
Failing to put trailer in shed/barn	x	300	
PARKING TRACTOR AT FINISH LINE			
Failure to set brakes	X	50	
Failure to place transmission in gear or park	x	50	
Failure to reduce throttle	X	10	
Failure to return tractor to start/finish line	X	50	
JUDGES OBSERVE AT ALL TIMES DURING ABOVE OPERATIONS			
Improper mount / dismount	X	50	
Failure to use seat belt `	X	25	
Failure to set brakes when getting off/or put in Park	X	50	
Sliding or spinning tires, brake steering	X	100	
Rough clutch engagement	X	25	
Clashing of gears when shifting	X	25	
Excessive engine speed	X	25 50	
Excessive tractor speed Standing while tractor is moving	X	50 100	
Moving tractor with brakes on	x	25	
Failure to put in gear or park when getting off with engine stopped	X	50	
Riding the clutch	X	25	
Any unsafe conduct while on or around tractor	x	25	
Fouling equipment (touching trailer w/tractor wheel)	X	50	
Rubbing hard	X	75	
Sub Total of Deductio	ns		
If the contestant does not finish within the ten-minute time period, they will be given an additional	500-point deduc	tion.	
Time deduction - Convert minutes into seconds, add the remaining seconds. Divide the total seconds.	conds by 3.		
To this add the subtotal for deductions to get the final score of the contestant. TIME Deduction +Sub Total = T	OTAL	_	

Score Sheet - Skid-Steer Event

Contestant	State				
SKID LOADER SAFETY RESPONSE (vert	oal response to Judge	s)	De	duc	tions
After walk-around and starting tra					
Check fuel and oil gauge				Χ	10
Check foot petals and steering hand	dles			Χ	10
Check tires - by sight only					10
Check hazards - dirt, grease, tools,	improper attachments,	etc			10
Check for seat belts/harness				Χ	10
STARTING					
Improper mount / dismount				Χ	50
Seat belts or safety harness not on				Χ	50
Throttle set to high				Χ	25
Starts course with the parking breal	k on			Χ	50
NOTE *** CONTESTANTS WILL BE STOP CONTESTANT IS NOT IN FULL CONTROL O ARE JEOPARDIZED! CONTESTANTS WIL	OF THE SKID-LOADER	AND SAFETY OF TH	E OPERATOR AN		
LOADING					
For touching line or obstacle (with s	skid-steer or forks)			Χ	50
For crossing or knocking down obst	tacles			Χ	100
For each unnecessary change of di	rection (forward or back	wards)		Χ	50
Traveling with forks too high					50
Excessive speed going into pallets					50
Moving pallets (more than four inch	es)				50
Improper use of forks while loading				Χ	50
NAVIGATING COURSE					
Excessive water loss from bucket (r	more than three inches)			Χ	50
Tipping bucket of water off pallet				Χ	300
*** Operator must return to bucket	station to get a new full	bucket!			
Carrying load at unsafe height				Χ	50
Pallet #1 not squarely on pallet #2					25
Excessive speed over obstacle				Χ	50
Excessive bucking on turns and goi	ing over obstacle				50
Pallets not squarely on platform				Χ	25
Unsafe speed approaching platform	1			Χ	50
PARKING SKID-LOADER AT FINISH LINE					
Failure to reduce throttle				Χ	10
Forks not completely down					
Failure to shut off Skid Loader (set	parking break when exit	ing machine)			100
JUDGES OBSERVE AT ALL TIMES DURIN		<u>12</u>		V	100
Failure to operate skid-loader safely Excessive skid-steer speed	y			X	100 50
Excessive skiu-steer speed				^	50
		Sub Total of Ded			
If the contestant does not finish within the term tion. Time deduction - Convert minutes into s To this add the subtotal for deduction	seconds, add the remain	ning seconds. Divide t			
TIME	Deduction	+Sub Total	= TOT	۸ı	



COURSE LAYOUT - FOUR WHEEL TRAILER EVENT

