

INDIANA CROPS EXPERIENCE

PROVIDED BY:

Indiana State Department of Agriculture, Indiana State Fairgrounds and Event Center, and Beck's Hybrids

EXPERIENCE INCLUDES:

- An animated video overview of planting and harvesting corn in Indiana.
- The video presentation is followed by a narrated quiz for students to complete for comprehension retention.
- An augmented reality exercise where students will utilize their mobile device or ipad to activate the experience, which operates like scanning any QR code. Students will operate a combine to harvest a field of corn, learning various facts about crop production along their journey.

IMPLEMENTATION:

- Utilize as an introduction to a planting and harvesting corn lesson.
- Use as a supplemental activity to a planting and harvesting corn discussion.

ESTIMATED TIME:

- 30 minute activity

DELIVERY:

- Provide students with the Augmented Reality Harvest Simulation poster electronically or printed. The poster can be printed in black and white or color.
- Device camera must be focused on poster image to complete the AR experience.

AGRICULTURE CAREERS FOLLOW-UP:

- The links below can be used by students to learn more about careers in agriculture:
 - **Grow Next Gen** — <https://grownextgen.org/careers>
 - **FFA Ag Explorer** — <https://agexplorer.ffa.org/>
 - **Purdue University Career Finder** — <https://ag.purdue.edu/careerfinder/>
 - **Ag Careers** — <https://www.agcareers.com/career-profiles/>
 - **Field Atlas presented by AgriNovus Indiana:**
 - Career Exploration** - <https://myfieldatlas.com/careers>
 - Career Exploration Classroom Lesson Plan** - <https://myfieldatlas.com/documents/Field-Atlas-Career-Exploration-Lesson-Plan.pdf>

AR MODULE EXPERIENCE SURVEY:

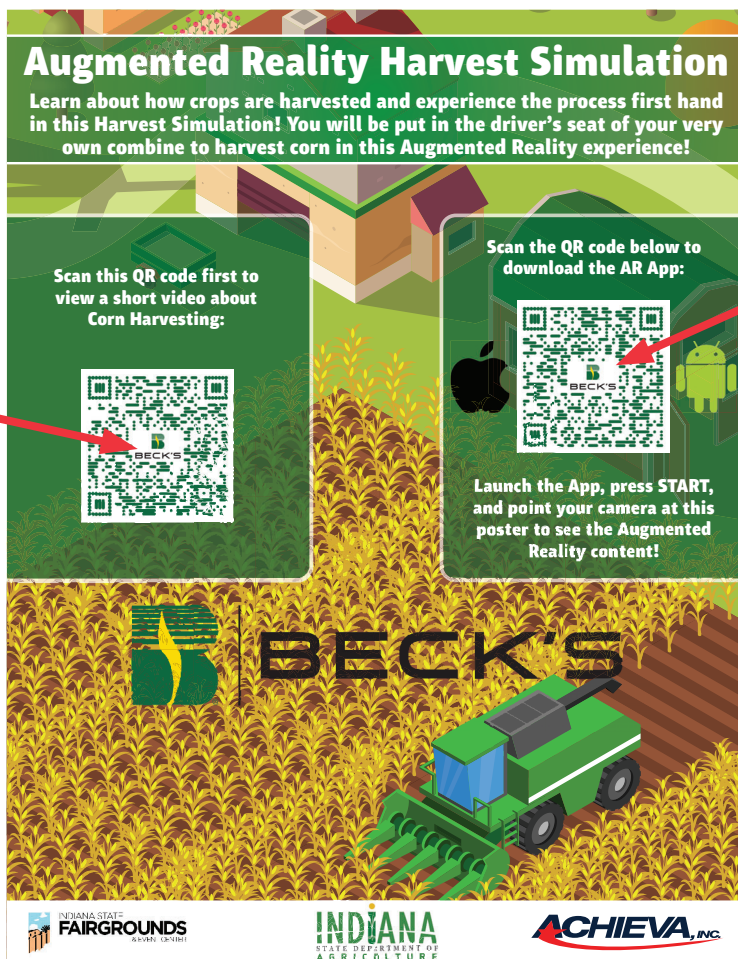
- Please use the links below to access a survey about your experience with the AR module. Note: there is a separate survey for teachers and students:
 - **Teacher Survey**
 - **Student Survey**

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ACCESSING THE AR EXPERIENCES:

Print out the provided poster, follow the steps below to gain access to the animated video and quiz, and the augmented reality simulation.

Students will scan this QR code first to start the experience with the animated video and quiz.



Students will then scan this QR code to launch the simulation. They will be prompted to download the FREE app to operate the simulation. Students will select either IOS or Android icon to download the app.

This is what the app will look like in the IOS or Android app store.



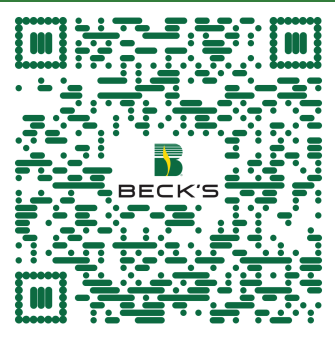
TIPS FOR IMPLEMENTATION:

- Print poster (can be printed in color or black and white). The image on the poster triggers the augmented reality experience on your device.
- Keep your device's camera pointed at the poster throughout the use of the AR.
- Remind students to utilize the buttons or controls to interact in the experience. A "Restart" button is also available to start the experience over.
- Students can move their device closer or further away from the poster to get a more detailed or an overview look of the AR scene.
- Encourage students to explore all the different interactions within the AR experience.

Augmented Reality Harvest Simulation

Learn about how crops are harvested and experience the process first hand in this Harvest Simulation! You will be put in the driver's seat of your very own combine to harvest corn in this Augmented Reality experience!

Scan this QR code first to view a short video about Corn Harvesting:



Scan the QR code below to download the AR App:



Launch the App, press **START**, and point your camera at this poster to see the Augmented Reality content!



BECK'S



INDIANA STATE
FAIRGROUNDS
& EVENT CENTER

INDIANA
STATE DEPARTMENT OF
AGRICULTURE

ACHIEVA, INC.