

New Question	Section	Item	Item Code	Topic Area	Question as Asked
	No	A	3	listed 1-8	Field Selection
Yes	B	1.b	1399	Organics	New question
	B	10	13,191,320	Seeds	What was the total cost per unit of purchased seed for this field?
Yes	B	10.c.i	3321	Seeds	New question
Yes	B	13	1323, 1324, 1326	Conservation	New question
	B	15	3062	Seeds	Did you purchase a seed treated with-- a. a fungicide? B. an insecticide? C. a nematicide?
Yes	B	15a	1289	Seeds	New question
	B	16	2340	Seeds	Please report what seed products were used in previous years.
No	B	16-18 Columns		Seeds	Column 2 did not have N/A as an option
No	B	21	2518		
No	B	25	2328		Reworded the question.
Yes	B	27			New question
Yes	B	38k	1495	Conservation	New question
Yes	B	40	702	Conservation	New question
No	B	47a-d	2611	Conservation	Have you ever received at any time Financial assistance? USDA Other Federal, State, local program No Assistance Needed

No	B	48b	Column 5	Conservation	Does this practice or activity help satisfy? 1 a federal regularity requirement 2 USDA conservation compliance provisions 3 Does not related to any regulation or compliance requirement
No	B	49	1393	Crop Insurance	Was the corn in this field covered by private crop insurance in 2020 (hail, wind, freeze, etc.)?
Yes	B	49a	2517	Crop Insurance	New question
No	B	49b	2521	Crop Insurance	What was the dollar amount of coverage for the private insurance policy covering this field in 2020?
No	B	49d	2522	Crop Insurance	What was the percent deductible for the private crop insurance covering the selected field?
No	B	49c	2523	Crop Insurance	What premium cost per acre did you pay for the private crop insurance covering the selected field?
No	<b>B</b>	49e	1394	Crop Insurance	Did you (Or will you) collect an indemnity payment for the selected field from the private crop insurance during 2020?
No	<b>B</b>	50	1385	Crop Insurance	Was the corn in this field covered by Federal Crop Insurance in 2020?
No	<b>B</b>	49d	2525	Crop Insurance	In what year did you (the operator listed on this field) first enroll this field in the Federal crop insurance program?

No	B	49.f	2527	Crop Insurance	What was the premium paid for Federal crop insurance for hit field in 2020?
No	B	49.g	2528	Crop Insurance	Did you (or will you) collect an indemnity payment for this field from federal crop insurance during 2020?
Yes	C	14b	2561 2562	Nutrient management	New question
No	D	1	Column 13	Pesticide Use	OPTIONAL : What was the cost per unit of the product?
Yes	F	16	3160	Precision Agriculture	New item
Yes	F	16.a	3161	Precision Agriculture	new item
Yes	F	16.bi	3168 and 3169	Precision Agriculture	new item

Yes	F	16.ci	3170 and 3171	Precision Agriculture	new item
Yes	F	17.c	2165	Precision Agriculture	new item
Yes	F	20.d		Precision Agriculture	New item

Requested Change	Reason
Please list these fields according to identifying name/number or describe each field, then I will tell you which field has been selected.	Now, I need to identify a rice field to be used for this survey. The rice field pre-selected for this interview is the:
Was the selected field transitioning into organic corn production in 2021?	Included in the 2020 rice survey, include in corn for consistency across surveys
10. What was the source and cost of -- a. (GMO/GE) purchased seed? b. Non-GMO/GE) purchased seed? C. Homegrown seed?	Change present in the 2019 cotton survey Item present in previous surveys (2019 cotton)
What was the cost for cleaning and treating this seed?	Item present in previous surveys (2019 cotton)
Did the selected field have skip-row corn? A. What was the common skip pattern? B. What was the average width of the skip?	rewrite of item, present in 2018 soybeans and 2019 cotton item added in 2018 soybeans and 2019 cotton
For the 2021 corn crop, was the corn seed1 treated with a pesticide prior to purchase 2 treated with a pesticide after purchase 3 not treated with a pesticide?	Change from asking about previous 5 years of products to a single year of product
What was the name of the seed treatment?	in case yes/or is not applicable to ease any confusion
For the 2021 corn crop, did you plant a commercial seed product on the selected field?	want to know the acres size of the field
Added N/A = 4 as an option Added a grayed out box. Also added the words In 2021.	item added in 2018 soybeans and 2019 cotton
Added a second portion to the question. Refuge may be adjacent to the field or a separated block with 1/2 mile of the field.	item added in 2019 cotton
What is the size in acres of the refuge?	Options for response changed in the 2019 cotton surveys
What was the per-acre cost-share or financial assistance payments received for the cover crop?	
Do you have a written conservation plan that specifies practices to control soil erosion?	
Has the selected field ever been in any conservation contracts for which you or your landlord received (or expected to receive) cost-sharing payments, stewardship payments, or incentive payments? Environmental Quality Incentives Program (EQIP) Conservation Stewardship Program (CSP) Conservation Reserve Program (CRP) Other Federal, State, Local or non-government source	

Does this practice or activity help satisfy? 1 A federal regulatory requirement 2 Highly Erodible Land Conservation compliance 3 Does not relate to any regulation or compliance requirement

Options for response changed in the 2019 cotton surveys

In 2021, was the corn in the selected field covered by a single or named peril crop insurance policy (e.g. hail, replant, wind, freeze)?

changed question from asking about private crop insurance to asking about single or named peril crop insurance in the 2018 soybeans survey

In 2021, was the corn in the selected field covered by more than one single or named peril crop insurance policies (e.g. hail, replant, wind, freeze)

added item into the 2019 cotton survey

What was the dollar amount of coverage per acre for the single peril policy covering the selected field?

changed question from asking about private crop insurance to asking about single or named peril crop insurance in the 2018 soybeans survey

What was the percent deductible for the single peril policy covering the selected field?

changed question from asking about private crop insurance to asking about single or named peril crop insurance in the 2018 soybeans survey

What premium cost per acre did you pay for the single peril policy covering the selected field?

changed question from asking about private crop insurance to asking about single or named peril crop insurance in the 2018 soybeans survey

Did you (Or will you) collect an indemnity payment for the selected field from the single peril policy during 2021?

changed question from asking about private crop insurance to asking about single or named peril crop insurance in the 2018 soybeans survey

In 2021, was the corn in the selected field covered by a multi-peril crop insurance policy?

changed question from asking about Federal crop insurance to asking about multi peril crop insurance in the 2018 soybeans survey

In what year did you (the operator listed on this field) first purchase multi-peril crop insurance on the selected field?

changed question from asking about Federal crop insurance to asking about multi peril crop insurance in the 2018 soybeans survey

What was the premium paid for multi peril crop insurance for the selected field in 2021? EXCLUDE any administrative fee

changed question from asking about Federal crop insurance to asking about multi peril crop insurance in the 2018 soybeans survey

Did you or will you collect an indemnity payment for the selected field from multi-peril crop insurance during 2021?

changed question from asking about Federal crop insurance to asking about multi peril crop insurance in the 2018 soybeans survey

h. How much nitrogen inhibitor did you mix with the nitrogen applied to the selected field?

question was added to the 2019 cotton survey

What was the cost per unit of the product?

Remove the optional statement and ask all respondents to fill out the cost information

Did you use an unmanned aerial vehicle (UAV, known as a drone) to produce corn on the selected field in 2021?

Reason for question: There growing interest in the use of drone technology in field crop production, but little comprehensive information on how drones are used. This question will provide data on the extent of use and the reasons for use, and will help to evaluate the costs and benefits of current drone technology in corn production.

In the selected field, did you use the UAV for any of the following purposes? i. weed analysis ii. Spraying herbicide or fungicide. iii. Insect analysis iv. Insect control v. yield analysis. Vi. Moisture analysis vii. Equipment check

Reason for question: There growing interest in the use of drone technology in field crop production, but little comprehensive information on how drones are used. This question will provide data on the extent of use and the reasons for use, and will help to evaluate the costs and benefits of current drone technology in corn production.

Did you purchase the UAV? i. what is the replacement cost for the UAV?

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Do you pay an annual fee for use of the UAV? i. What is the annual fee for use of the UAV?

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Was any of the following GPS-enabled (Global Positioning System) equipment used to produce corn on the selected field in 2021? .... C. Automatic section control, such as auto sprayer boom controls or automatic section shut offs?

item was added into the 2019 cotton survey, added for consistency across surveys

Please report the variable rate applicator types you used on the selected field to produce this crop....Was a variable rate applicator used on the selected field for -- d. Irrigation Applications

Precision agriculture technologies, including those aimed at variable rate application of inputs, are spreading through agriculture. They affect resource use, finances, and the environmental impacts of agricultural production. We need to add this question in order to accurately track farm finances and productivity.



**Additional Information**

Due to covid, no face to face is allowed. The cordinal will be selected and then the enumerator will be able to ask the respondent if they have a field clockwise of the cardinal.

Why does the question need to be in ARMS? The survey encompasses a large and representative sample of producers. Because the survey also gathers information on production practices, yields, inputs, and finances, it is the only channel to evaluate the impact of drone adoption of farm productive and financial outcomes.

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