AGRICULTURAL RESOURCE MANAGEMENT SURVEY

OMB No. 0535-0218 Approval Expires: 11/30/2023 Project Code: 906 SurveyID: 2038 Phase 2



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RICE PRODUCTION PRACTICES AND COSTS REPORT FOR 2021

| | VERSION 9 | | | D | | TRACT 01 | SUBTRACT | C-TYPE 115 | |
|---|------------------------|--------|---------------------------------------|------------------------|----------|-----------------|----------|---------------|------------------------|
| | | | | CONTACT | RECORD | | | | <u> </u> |
| DATE TIME | | | | | | NOTES | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality. Response is voluntary. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 75 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. | | | | | | | | | |
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| Check if ve | | | | | Che | eck if verified | POID | | · |
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RICE FIELD SELECTION

| | | | Total Planted Acres | | |
|--|--|--------------------------|-----------------------------------|--|--|
| | | | 0050 | | |
| How many acres of rice did this operation plan | nt for the 2021 crop year? | | • | | |
| [If no acres planted, review Screening Information | If no acres planted, review Screening Information Form, make notes, then go to back page.] | | | | |
| | | | | | |
| a. Of the total (item 1) acres, how many were | e planted with the intention of h | narvesting | | | |
| | | Total Acres | Number of Fields | | |
| | | 0051 | 0056 | | |
| i. Long grain? | | • | - | | |
| ii. Medium grain? | | 0052 | 0057 | | |
| ii. Wodiani grani | | 0053 | 0058 | | |
| iii. Short grain? | | • | - | | |
| | | | | | |
| [I will follow a simple procedure to make a randon | selection from the rice fields | planted for the 2021 o | eron 1 | | |
| [, will rement a complete procedure to make a random | | pia | · • • • · · | | |
| | | | Total Number of Fields Planted | | |
| | | | 0020 | | |
| 2. What is the total number of rice fields that wer | e planted on this operation? | | | | |
| [If only one field enter "1" and go to item 4.] | | | | | |
| | | | | | |
| 3. [Now, I need to identify a rice field to be used | for this survey.] The rice field | pre-selected for this ir | nterview is the: | | |
| ₁ Northern most field | | | | | |
| ₂ Southern most field | Field description: | | | | |
| 3 Eastern most field | Tield description. | | | | |
| 4 Western most field | | | | | |
| ₅ Northeastern most field | | | | | |
| 6 Southeastern most field | | | | | |
| 7 Northwestern most field | | | | | |

Southwestern most field

| | | - | |
|---|---|---|------------------------------------|
| APPLY "RANDOM NUMBER' | " LABEL HERE | | |
| | | | |
| The field selected is During this interview, the rice ques [Be sure the operator can identify] | stions will be about this s | er/description). elected rice field. | |
| 5. For the randomly selected field ab | ove, please provide the | following Farm Service Agency (FSA | ι) identifiers: |
| [Having this information helps USDA rand will improve the types of statistica survey. If the physical field in this survey the farm, tract, and field number for thidentifiers that USDA uses to administ and conservation programs.] | l analysis that can be do vey spans multiple FSA a e largest administrative | one with the responses from this administrative fields, please include field. These numbers are field | Number |
| | | | 1070 |
| a. Farm Number (up to 8 digits) | | | |
| b. Tract Number (up to 7 digits) | | | 1071 |
| | | | 1072 |
| c. Field Number (up to 4 digits, e | xclude subfield letters) | | |
| | | | |
| | | | OFFICE USE OY Field Substituted |
| | | | 0022 |
| | | | |

| | | | | Acres | | |
|--|--|---|------------|---------------------------|--|--|
| 1. | How many acres of rice did this operation | on plant in the selected field for the 2021 crop? | 1301 | | | |
| | | | <u>_</u> _ | '=-! | | |
| | | v | 4 4200 | Code | | |
| | a. Are the acres in the selected field C | Yes= ertified Organic? No= | | | | |
| | | | l. | Code | | |
| | | Yes= | 1 1399 | | | |
| b. Was the selected field transitioning into organic rice production in 2021? No=3 | | | | | | |
| [If i | item 1a or 1b = 1, then ask] | | Do | llars & Cents | | |
| | | | 1891 | | | |
| | c. What was the cost, per acre, for third | d party organic certification? | · | • | | |
| | | | | | | |
| | | | | Code | | |
| | | wned by this operation? ented for cash with the payment being a fixed cash amount? | 1302 | | | |
| 2. | Were the acres in the selected 3 re | ented for cash with the payment being a flexible cash amount? | | | | |
| | | ented for a share of the crop? ented for some combination of cash and share of the crop? | | | | |
| | | sed rent free? | | | | |
| | | | | | | |
| [If t | field is cash rented (item 2 = 2, 3, or 5), a | ask item 3. Otherwise go to item 4.] | Do | llars & Cents per Acre | | |
| _ | | | 1303 | | | |
| 3. | What was the cash rent paid per acre to | or the selected 2021 rice field? | • 1 | • | | |
| | | | | | | |
| [If t | field is share rented (item 2 = 4 or 5), ask | <] | | Percent | | |
| 4 | What was the landlord's share of the cro | op from the selected field? | 1304 | | | |
| | That was the landished solution of the ore | | | | | |
| [If t | field is rented (item 2 = 2, 3, 4, 5, or 6) as | sk] | | | | |
| 5. | What was the total cost for all inputs pro | | _ | atal Dallana | | |
| | on the selected field? INCLUDE the coschemicals, technical services, custom of | | | otal Dollars | | |
| | | d lime costs paid by the landowner | 1000 | | | |
| | | | | | | |
| 6. | | ovided by any contractor for the 2021 crop Dollars & Cents | _ | | | |
| | on the selected field? INCLUDE the cos | sts for all inputs, such as seed, fertilizer, per Acre OF perations, drying, and irrigation | ` | otal Dollars | | |
| | onemicals, teerineal services, custom o | porations, drying, and imgation | 1310 | | | |
| | | | | Voor | | |
| | | | 1312 | Year | | |
| 7 | In what year did you (the operator listed | on the label) start operating the selected field? | | | | |
| • | in what your aid you (the operator listed | i of the labely start operating the solected lield: | | | | |

| | | | | | M M D D |
|---|---------------------------|---------------------------------|---------|-------------------------------------|---|
| | | | | | 1308 |
| 8. On what date was the selected field planted? | | | | | 2021 |
| | | | | Units per Acre | Unit Code 1 Pounds 2 CWT 3 Tons 4 Bushels 5 Barrels |
| a. What was your yield goal at planting for th | ne selecte | d field? | | 0216 | 0217 |
| INCLUDE any ratoon crop | | | | <u></u> | |
| | | | - | | Novel on a f A and a |
| 9. How many acres in the selected field had to b | e renlanta | ed to rice? | | | Number of Acres |
| (Acres replanted = number of acres X number | • | | | | |
| (Acres replanted – number of acres X number | i oi tiiries | теріапіса) | | | Cada |
| 10. What type of rice grain was planted on the se field? | | 1 Long 2 Medium 3 Short . | | | 1550 |
| [If item 10 = 1 or 2, ask] | | | | | Code |
| D | | | | Yes=1 | 1551 |
| a. Did you plant an aromatic variety? | | | | No=3 | |
| [If item 10 = 3, ask] | | | | | Code |
| b. Did you plant a glutinous or sweet variety | ? | | | Yes=1 No=3 | 1552 |
| , , , | | | | | Code |
| 11. What was the source of the rice seed? | 1 Purcha 2 Homeg | sed rown or traded | | | 1317 |
| [If item 11 = 2, ask] | | | | | Dollars & Cents per Pound |
| a. What was the cost per pound for cleaning | and treat | ing this seed? | | | 1321 |
| | and hour | 9 | | | |
| [If any seed purchased (item 11 = 1), ask] 12. What was the total cost per unit of purchased | seed for | the selected field? | NCLUDE | Dollars & Cents per Unit 1319 | Unit Code 1 Pounds 2 CWT 3 Tons 4 Bushel 22 Acres 23 50 Lb. Bags |
| operator, landlord, and contractor costs, cost | | | | . • | |
| | | | | Units | Unit Code 1 Pounds/Acre 2 CWT/Acre 4 Bushels/Acre 25 Seeds/Acre 38 Seeds/Foot |
| 13. What was the seeding rate per acre the first ti | ime the se | elected field was n | lanted? | | 1014 |
| 1.5. That had the occurry rate per dore the first t | | eeded (airplane) | | · | Code |
| What method of seeding did you use on the selected field? | 2 Drilled (3 Airplane | dry) | | | 1316 |

| 14. For the 2021 rice crop, was the rice seed | | | Code 3062 | | | |
|---|--|-----------------------|-------------------------------|--|--|--|
| [If item 14 = 1 or 2, ask] | | 1 | | | | |
| | Seed Treatment Name | | | | | |
| What was the name of the seed treatment? [Write seed treatment in the box provided.] | | | | | | |
| Respondent Booklet. Enter "999" if | [Enter the appropriate seed treatment code fi a seed treatment was applied but is not listed. | . Enter "-1" if the | Code 2325 | | | |
| | | | Code | | | |
| 15. For the 2021 rice crop, did you plant a commercial seed product on the selected field? | | | | | | |
| [If item 15 = 1, ask] | | | | | | |
| . W | Commercial Seed Product Na | ame |] | | | |
| What was the name of the seed product name in the box provided.] | | | | | | |
| Booklet (page 5). Enter "999" if a se | Enter the appropriate product code from the Feed product was purchased but is not listed. E | Enter "-1" if the | Code 2343 | | | |
| | | | Code | | | |
| 16. Was a hybrid rice seed planted in the se | lected field? | Yes=1 No=3 | 1327 | | | |
| | | 0004 | Last Year Rice was Planted | | | |
| 17. Did the rice planted on the selected field traits in 2021? Did you use any of the for rice was planted on the selected field? | have any of the following herbicide tolerant ollowing herbicide tolerant traits the last time | 2021 Yes=1 No=3 | Yes=1 No=3 N/A=4 | | | |
| | r other IMI (imazethapyr and imidazolinone) or FullPage® Rice | 2060 | 2061 | | | |
| b. Herbicide tolerance to Provisia® or o | other quizalofop herbicides such as | 2062 | 2063 | | | |
| c. Herbicide tolerance to GoalTender® ROXY™ Rice | or other oxyfluorfen herbicides such as | 2064 | 2065 | | | |
| | | 2070 | 2071 | | | |
| d. Other herbicide tolerant trait | | 1 | | | | |

| 18. Did you use an "air delivery" or "vacuum (pneumatic) planter"? | | | | Code | | | | |
|--|---|--------------------|--|---|--|--|--|--|
| a. Did you use a talc and/or graphite seed flow lubricant? No-3 b. Did you use an alternative seed flow lubricant (e.g. Bayer Fluency Agent) instead of talc and/or graphite? No-3 Code 19. Has harvest of the selected field been completed? No-3 (Now I need information about the acres harvested or to be harvested and the yields from the selected field.) Acres What yield per acre did you get or do you expect to get for rice-Units per Acre Unit Code 1 Pounds 2 CWT 3 Tons you get or do you expect to get for rice-Units per Acre Louis per Acre Code 1346 1347 1348 b. harvested for grain, first crop? 1332 c. harvested for commercial seed contract? 1431 d. abandoned? 1432 1433 | Yes=1 | | | | | | | |
| a. Did you use a talc and/or graphite seed flow lubricant? No-3 b. Did you use an alternative seed flow lubricant (e.g. Bayer Fluency Agent) instead of talc and/or graphite? Yes=1 No-3 Code 19. Has harvest of the selected field been completed? Yes=1 No-3 [Now I need information about the acres harvested or to be harvested and the yields from the selected field.] Acres What yield per acre did you get or do you expect to get for rice-Units per Acre Code a. harvested for grain, first crop? 1346 1332 1333 1334 b. harvested for grain, ratoon crop? 1351 1332 1333 1334 c. harvested for commercial seed contract? 1431 1432 1433 d. abandoned? 1439 | [If item 18 = 1, ask] | | _ | Code | | | | |
| 20. How many acres in this rice field were or will be a. harvested for grain, first crop? b. harvested for grain, ratoon crop? c. harvested for commercial seed contract? d. abandoned? 20. How many acres in this rice field were or will be 132. Code Yes=1 No=3 | a. Did you use a talc and/or graphite seed flow lubricant? | Yes=1 | 24 | | | | | |
| 19. Has harvest of the selected field been completed? [Now I need information about the acres harvested or to be harvested and the yields from the selected field.] Acres | b. Did you use all alternative seed now lubricant (e.g. bayer i idency Agent) instead of tale | | | | | | | |
| [Now I need information about the acres harvested or to be harvested and the yields from the selected field.] Acres | | | | Code | | | | |
| Acres Acres What yield per acre did you get or do you expect to get for rice- Units per Acre Lunits per Acre Units per Acre Units per Acre Code 1346 1347 1348 b. harvested for grain, ratoon crop? c. harvested for commercial seed contract? d. abandoned? 1351 1439 | 19. Has harvest of the selected field been completed? | | Yes=1I | 28 | | | | |
| Acres Acres What yield per acre did you get or do you expect to get for rice- Units per Acre Units per Acre Units per Acre Code 1346 1347 1348 b. harvested for grain, ratoon crop? c. harvested for commercial seed contract? d. abandoned? 1431 1432 1433 | Now I need information about the acres harvested or to be harvested | and the yields fro | m the selected field.] | | | | | |
| a. harvested for grain, first crop? | 20. How many acres in this rice field were or will be | Acres | you get or do you expect to get for rice | 1 Pounds 2 CWT 3 Tons 4 Bushels 5 Barrels | | | | |
| b. harvested for grain, ratoon crop? c. harvested for commercial seed contract? d. abandoned? 1431 1432 1433 1439 | a. harvested for grain, first crop? | 1346 | - | _ | | | | |
| c. harvested for commercial seed contract? d. abandoned? 1351 1439 | b. harvested for grain, ratoon crop? | 1332 | 1333 | 1334 | | | | |
| d. abandoned? | c. harvested for commercial seed contract? | 1431 | 1432 | 1433 | | | | |
| | d. abandoned? | 1351 | | | | | | |
| | e. used for some other purpose? | | | | | | | |

| | Crop Code List for item 2 | 22 - Previously Planted Crops | |
|------------------------------|---------------------------|-------------------------------|----------------------|
| 6 Corn for grain | 1 Hay, alfalfa | 240 Sorghum, all | 291 Other field crop |
| 5 Corn for silage | 11 Hay, all other | 26 Soybeans | 292 Other crop |
| 283 Cotton, all | 15 Oats | 28 Sugarbeets | 312 Cover crop mix |
| 946 Crawfish | 21 Rice | 263 Wheat, durum or spring | |
| 302 CRP | 22 Rye | 165 Wheat, winter | |
| 311 Grasses including clover | 34 Ryegrass | 318 No crop planted | |

21. Please report the history of crops on the majority of the selected field, including cover crops.

| 1 | | | 2 | 3 | 4 | 5 |
|--|------------------------|---|-----------------------------------|---|---------------|---------------|
| What crops were planted or [For perennial crops, (1, 11, 34, 292, 302 all seasons when the cro | Was this a cover crop? | If a cover crop was planted, how did you terminate this cover crop? | Was the selected field irrigated? | Was the selected field no-till or strip-tilled?1/ | | |
| Season and Year | Crop Name | Crop Code | Yes=1 No=3 | 1 Tilled-in 2 Herbicide 3 Rolled 4 Grazed 5 Harvested for forage 6 Harvested for grain 7 Winter killed Code | Yes=1 No=3 | Yes=1 No=3 |
| a. Spring/Summer of 2021? | Rice | 21 | | | 2345 | 1344 |
| b. Fall of 2020? | | 1343 | 1470 | 1471 | 2344 | 1345 |
| c. Spring/Summer of 2020? | | 1369 | 1472 | 1473 | 2370 | 1371 |
| d. Fall of 2019? | | 1372 | 1474 | 1475 | 2373 | 1374 |
| e. Spring/Summer of 2019? | | 1375 | 1476 | 1477 | 2376 | 1377 |
| f. Fall of 2018? | | 1378 | 1478 | 1479 | 2379 | 1380 |
| g. Spring/Summer of 2018? | | 1381 | 1480 | 1481 | 2382 | 1383 |
| h. Fall of 2017? | | 1366 | 1482 | 1483 | 2367 | 1368 |
| i. Spring/Summer of 2017? | | 1340 | 1484 | 1485 | 2341 | 1342 |

^{1/}No-till means leaving soil and previous crop residue undisturbed from harvest to planting. Strip-till means tilling a narrow strip over the row, leaving soil and previous crop residue between the rows undisturbed.

| FI.C . | | | • • • • | · · · · · · · · · · · · · · · · · · · | | | |
|--------|------------|-------------|---------|---------------------------------------|------------|---------|------|
| ша | cover crop | was planted | ın อ | sprina/S | ummer/Fail | I 2020. | aski |

Dollars & Cents per Acre

| j. | What was the seed cost per acre for the cover crop? | |
|----|---|--|
| | | |

k. What was the per-acre cost-share or financial assistance payments received for the cover crop? If no program payment was received, enter zero......

| 1400 | |
|------|---|
| | • |
| 1495 | |
| | |
| | |

22. [Now I need information on soil, crop, and land management practices or activities used on the selected field and any financial assistance you may have received in conjunction with those practices.]

a. From this list, please check any practices or activities that you used on the selected field this year or at any time in the past.

| On-field Soil and Crop Management | ₁₀ Terraces | Implement an integrated pest management plan - written plan |
|--|---|---|
| 1 No-till/strip-till | 12 Grass waterway | 31 Drift reducing spray nozzles |
| Conservation tillage except no-till/strip-till | Implement a nutrient management plan - written plan. | Targeted sprayer - electrical control |
| 3 Cover crop - single species | 21 Precision nutrient application | Adjacent to Field |
| 4 Cover crop mix | Subsurface phosphorous application | 33 Filter strip |
| 5 Contour farming | No fertilizer application more than 30 days before planting | 34 Field border |
| 6 Conservation crop rotation | 24 Controlled release fertilizer | Riparian buffer - grass or forest |
| ₇ Laser leveling | Split nitrogen application with at least 50% applied after planting | Irrigation water management plan |
| | | 99 None of the above |

b. For each practice or activity checked in 22a, please complete one line of this table.

| 1 | 2 | 3 | 4 | 5 |
|--|---------------------------------|---|---|--|
| | _ | When was this practice or plan used on the selected field? | What financial assistance (cost share) has been received for this practice on this field? | Does this practice or activity |
| Practice or Activity on the Selected Field | Practice Code (see item 22a) | Used in 2021 Not used in 2021 but used in earlier years | Received a payment in 2021 from EQIP, CSP, or similar program Did not receive a payment in 2021 but have in earlier years Have never received a payment for this practice | A federal, state, or local regulatory requirement Highly erodible land conservation compliance Does not relate to any regulation or compliance requirement |
| | Code | Code | Code | Code |
| | 1610 | 1614 | 1612 | 1613 |
| | 1615 | 1619 | 1617 | 1618 |
| | 1620 | 1624 | 1622 | 1623 |
| | 1625 | 1629 | 1627 | 1628 |
| | 1630 | 1634 | 1632 | 1633 |
| | 1635 | 1639 | 1637 | 1638 |
| | 1640 | 1644 | 1642 | 1643 |
| | 1645 | 1649 | 1647 | 1648 |
| | 1650 | 1654 | 1652 | 1653 |
| | 1655 | 1659 | 1657 | 1658 |
| | 1660 | 1664 | 1662 | 1663 |

| 23. Has any part of the selected field been class as highly erodible is subject to highly erodi Producers who receive farm program payn | I | Code | | | |
|---|---|---|--|--|--|
| conservation plan. A "written plan" is a pla district standards | n prepared in accordance | | | Yes=1 No=3 | |
| 24. Do you have a written conservation plan th | at specifies practices to | control soi | l erosion? | Yes=1 No=3 | 0702 |
| 25. Does the selected field contain a wetland? or "swampbuster" requirements. Producer | s who receive farm prog | ram payme | ents must refrain | Yes=1 | Code 1405 |
| from draining wetlands to make them read | y for crop production | |] | · No=3 | Code |
| 26. What is the primary soil texture of the selection | 26. What is the primary soil texture of the selected field? | | | | 2401 |
| [Next we will ask about soil and water concern | | | d.] | | |
| 1 27. In the selected field, are any of the following currently or historically a concern? | Currently a concern A concern in the past but not anymore Not a concern | 1 USDA - 2 Coopera 3 Other U 4 Other (e agency) 5 None | ative Extension Service SDA staff, including Fo .g. Soil and Water Con | ce concer red assista rest Servi | n? Report up to 2 ance from: ce District, state |
| | Code 2407 | 2417 | Source 1 | 427 | Source 2 |
| a. Water-driven erosion | 2408 | 2449 | 20 | 100 | |
| b. Wind-driven erosion | 2400 | 2418 | 24 | 428 | |
| c. Soil compaction | 2409 | 2419 | | 429 | |
| d. Poor drainage | 2410 | 2420 | 24 | 430 | |
| e. Low organic matter | 2411 | 2421 | 24 | 431 | |
| f. Water quality | 2412 | 2422 | 24 | 432 | |
| g. Other concerns | 2413 | 2423 | 24 | 433 | |
| h. If the answer to all of the above was "Not a Concern", is it the case that there are no significant concerns on this field? | | | | | |
| 28. Has the selected field ever been in any cor or expected to receive cost-sharing payme | | | | ceived | Unit Code 1 Current 2 Past 3 Never |
| a. Environmental Quality Incentives Progr | ram (EQIP) | | | | 2611 |
| b. Conservation Security or Conservation | Stewardship Program (| CSP) | | | 2612 |
| c. Conservation Reserve Program (CRP) | | | | | 2613 |
| d. Other Federal, State, Local, or non-Go | vernment source | | | | 2614 |

| | | _ | Code |
|----------|--|--------------|----------------------------|
| 29. Dio | | es=1 lo=3 | 2620 |
| [If item | n 29 = 1, continue. Otherwise go to item 30.] | | Code |
| a. | 20040 | es=1 lo=3 | 2621 |
| [If item | n 29a = 1, continue. Otherwise go to item 30.] | | Percent |
| b. | By what percentage do you believe the rice yield in the selected field was reduced as a result of the harvest of crawfish? | | 2622 |
| | | | Code |
| | | es=1 lo=3 | 2623 |
| [If item | n 30 = 1, continue. Otherwise go to item 31.] | | |
| | Inches per Acre | OR | Total Acre-Feet |
| a. | During the average winter flooding, how much water was left on the selected field? | | 2625 |
| | | | Code |
| | | s=1 | 2626 |
| b. | | o=3 | |
| [If item | n 30b = 1, continue. Otherwise go to item 31.] | | |
| | Dollars & Cents per Acre | OR | Total Dollars |
| | i. What was the payment you received for maintaining a winter flood on the selected field? | | 2628 |
| | | | Code |
| | | es=1 No=3 | 2520 |
| [If item | n 31 = 1 ask Otherwise go to item 32.] | | Code |
| a. | | es=1 lo=3 | 2517 |
| | | | Dollar & Cents per Acre |
| b. | What was the dollar amount of coverage per acre for the single peril policy covering the selected field? | d | 2521 • |
| | | | Percent |
| C. | What was the percent deductible for the single peril policy covering the selected field? [Record no deductible as "0".] | | 2522 |
| | | i | Dollar & Cents per Acre |
| ٦ | What premium cost per acre did you pay for the single peril policy severing the selected field? | | 2523 |
| d. | What premium cost per acre did you pay for the single peril policy covering the selected field? | •••• | |
| e. | Did you or will you collect an indemnity payment for the selected field from the single peril | es=1 | Code 1394 |

| | | | | | | | Code |
|----------|--|--|-----------------------|---------------|-------------|----------------------|------------------------|
| 32. In 2 | 2021, was the rice in the selected fi | eld covered by a | multi-peril crop | o insurance | | 1385 es=1 No=3 | |
| [If item | 32 = 1 ask Otherwise go to Sec | tion C] | | | | | |
| a. | Which coverage did you obtain? | Federal CAT - b Yield Protection Revenue Protect Other multi-perion | ı (YP) ction (RP) | | | 1386 | Code |
| [If item | 32a = 2, ask] | | | | | F | Percent |
| | i. What percent of yield coverage | e did you select f | or the selected | field? | | 1387 | |
| | | | | | | F | Percent |
| | ii. What percent of price coverage | e did you select f | or the selected | l field? | | 1388 | |
| [If item | 32a = 3, ask] | | | | | F | Percent |
| | iii. What percent of revenue cover | rage did you sele | ect for the selec | cted field? | | 1389 | |
| b. | Did you purchase a policy for Hurr | icane Insurance | Protection - Wi | ind Index in | | 1391 es=1 | Code |
| | | | | | ľ | No=3 | Code |
| C. | What type of unit coverage did you the multi peril policy on the selecte | | 1 Basic 2 Optional | | | 2524 | Code |
| | | | 3 Enterprise | | | | Year |
| d. | In what year did you, the operator the selected field? | | • | • | - | 2525 | |
| | | | | | | CW | T per Acre |
| e. | What is the 2021 Approved APH (a | actual production | n history) yield t | for the selec | eted field? | 2526 | |
| | | | | | | | ars & Cents er Acre |
| f. | What was the premium paid for mu EXCLUDE any administrative fee | | | | | 2527 | |
| | | | | | | | Code |
| g. | Did you or will you collect an inder insurance during 2021? | | | | | es=1 No=3 | |

| | | | | Code | Office Use Edit Table | |
|-----|--|--|---------------------------|------|--------------------------|--|
| 1. | 1. Were commercial nutrients or fertilizers applied to the selected field for the 2021 rice crop? INCLUDE those from operators, landlords, and contractors Ves-1 No-3 | | | | | |
| [If | item 1 = 1 continue. Otherwise go to i | item 6] | | | Number | |
| 2. | How many commercial nutrient or fertilizer applications were made to the selected field for the 2021 crop? INCLUDE applications made by airplanes and custom applicators | | | | | |
| 3. | Now I need to record information for | each application. | | | | |
| | CHECK | KLIST | | | | |
| | INCLUDE | EXCLUDE | | | | |
| E | Custom applied nutrients or fertilizers | Micronutrients | | | | |
| ŀ | Nutrients or fertilizers applied in the fall of | Unprocessed manure | | | | |
| - | → 2020 and those applied earlier if the selected field was fallow in 2020. | Nutrients or fertilizers applied to previous crops in the selected field | | | | |
| | Commercially prepared manure or compost | Lime and gypsum/landplaster | Office Us Lines in Tal | | 0299 | |

Application Codes for Column 6 1 Broadcast, ground without incorporation 2 Broadcast, ground with incorporation 3 Broadcast, by aircraft 4 In seed furrow 5 In irrigation water 6 Chisel/injected or knifed in 7 Banded in or over row 8 Foliar or directed spray

| | | | 2 | | 3 | 4 | 5 | 6 | 7 |
|-------------|-----|--|---------------|-------|--|--|--|----|---|
| L N E | pla | rcentage anal ant nutrients a Common Nut | applied per a | cre.] | What quantity was applied per acre? [Leave this column blank if actual nutrients were reported] | [Enter material code] 1 Pounds 12 Gallons 13 Quarts 19 Pounds of actual nutrients | When was this applied? 1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding | | How many acres in the selected field were treated in this application? |
| 01 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 02 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 03 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 04 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 05 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 06 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 07 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 08 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 09 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 10 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |

| | | Code |
|---|-----------------|-----------------|
| 4. Were any nutrients or fertilizers applied by custom applicators? | | 0214 |
| [If item 4=1 continue. Otherwise go to item 5.] | | Code |
| a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately? | Yes=1 No=3 | 2216 |
| [If item 4a = 1 continue. Otherwise go to item 5.] | | Office Use |
| | | 0215 |
| b. Excluding the cost of the nutrient or fertilizer materials, how much was spent for custom application of nutrients or fertilizers on the selected field? INCLUDE operator, landlord, and contractor costs. INCLUDE costs for sulfur and micronutrients. EXCLUDE custom application of lime, gypsum, | OR | Total Dollars |
| purchased manure and purchased compost. | _ | |
| If material and application costs can't be separated, exclude them here and record the total in item | 5.] | |
| 5. What was the total cost of all nutrient or fertilizer products applied to the selected field? INCLUDE operator, landlord, and contractor costs as well as the costs for sulfur and micronutrients. INCLUDE materials applied to the selected field if it was fallow in 2020. EXCLUDE lime, gypsum, purchased manure, and | OR | Total Dollars |
| purchased compost | | |
| If custom applied and the cost of materials can be separated from application costs, include the cost otherwise, include both the material and application costs.] | st of ma | aterials only, |
| | | Code |
| | Yes=1 | 0218 |
| 6. Was gypsum applied to the selected field for the 2021 rice crop? | No=3 | |
| 7. Was a soil test for soil organic matter performed on this rice field at some point in the last 10 years? | Yes=1 No=3 | 3225 |
| [If item 7 = 1, ask] | 110 0 | Percent |
| | | 3226 |
| a. What was the percentage of soil organic matter on the field for the most recent test? | | |
| | | Number |
| b. How many times have you tested the selected field for soil organic matter in the last 10 years | s? | 3227 |
| [If item 7b is more than 1, ask] | | Code |
| c. Based on these tests, is your soil organic matter content 1 Increasing? 2 Decreasing? | | 3228 |
| 3 Staying roughly the same? | | Code |
| 3. Was a soil or plant tissue test performed on the selected rice field in 2020 or 2021 for the 2021 crop? | Yes=1 No=3 | |
| [If item 8 = 1, continue. Otherwise go to item 13.] | | Code |
| 9. Was a soil test for phosphorus performed on the selected rice field in 2020 or 2021 for the 2021 crop? | Yes=1 No=3 | 0225 |
| [If item 9 = 1 ask] | | Pounds per Acre |
| a. How many pounds of phosphorus per acre were recommended by the phosphorus test? | | 0226 |
| | | Code |
| 10. Was a soil test for nitrogen performed on this rice field in 2020 or 2021 for the 2021 crop? | Yes=1 . No=3 | |
| [If item 10 = 1, ask] | | Pounds per Acre |
| A. How many pounds of nitrogen per acre were recommended by the nitrogen test? | | 0228 |

| | | | | | Code |
|-----------|--|---|------------------------------|-----------------|-------------------------------|
| | s a plant tissue test or leaf analysis for n 20 or 2021 for the 2021 crop? | | | Yes: No: | |
| | · | | Dollars & Cents per Acre | | |
| | w much was spent for these soil and plard? INCLUDE operator, landlord, and cor | | 0230 | | 0231 |
| [If tests | were done at no cost, continue. Otherw | ise go to item 12b.] | | | |
| • | | 1 Soil/plant tissue test provided | I free of charge by | | Code |
| a. | What is the reason why tests were | dealer, crop consultant, or ex 2 Soil/plant tissue test costs we | | | 0232 |
| | done at no cost? | fertilizer costs reported in iter | m 5 | | |
| | | 3 Some other reason | | | Code |
| b. | Did you receive a payment from the Cor stalk or leaf tissue test for nitrogen appli | | | Yes: No: | |
| | erator Action: Refer to the Fertilizer Table trogen applied, go to item 15.] | e, column 2. If nitrogen (N) was | s applied, complete ite | em 13. | |
| 13. Wa | s the amount of nitrogen you decided to | apply to the selected field base | ed on | | Code |
| a. | Results of a soil or plant tissue test? | | | Yes=1 . No=3 | |
| b. | Crop consultant recommendation? | | | Yes=1 No=3 | |
| C. | Fertilizer dealer recommendation? | | | Yes=1 . No=3 | 0235 |
| d. | Extension Service recommendation? | | | Yes=1 . No=3 | 0236 |
| e. | Cost of nitrogen and/or expected comme | odity price? | | | |
| f. | Contractor recommendation? | | | | |
| g. | Routine practice - operator's own determ | nination based on past experie | nce, yield goal, etc.?. | Yes=1 No=3 | 0239 |
| | | 1 Nitrification inhibitors (such as | | | Code |
| use | ich of the following products did you to slow the breakdown of nitrogen on | Urease inhibitors (such as AgrChemical-coated fertilizers (suurea and polymer-coated urea | ch as sulfur-coated | | 0241 |
| this | field? | 4 Other inhibitors5 None | | | |
| [If nitro | gen inhibitors were used, continue. Othe | rwise go to item 15.] | Pourius per Acre | OR | Gallons per Acre |
| | How much nitrogen inhibitor did you mix the selected field? | | 2561 | 25 | · <u> </u> |
| | | ' | Dollars & Cents per Pound | OR | Dollars & Cents per Gallon |
| b. | What was the cost of nitrogen inhibitors operator, landlord, and contractor costs. | acca cir ano noia. Intolobe | 0297 | 02 | 98 |
| | | | | | Code |
| 15. Wa | s time-released fertilizer applied to the se | elected field? | | Yes=1 No=3 | |
| 16. Is li | me ever applied to the selected field? | | | Yes=1 No=3 | 0242 |
| | 16 = 1 continue. Otherwise go to item 17 | | | 0 | Years |
| a. | On average, how many years are there | between applications of lime to | the selected field? | | 0243 |

Tons per Acre

| b | . How many tons of lime we | re applied per acre the last time it was applied t | o the selected | I field? | 02 | 44 |
|--------|---|---|----------------------------------|-----------|---------------|---|
| | • | | | | | Code |
| С | . Was lime applied to the sel | ected field in 2020 or 2021 for the 2021 crop? | | Yes No | s=1 02 b=3 | 40 |
| | | ssed) manure from own farm, from a neighbor' | | r other | | Code |
| | | npost, applied to the selected field for the 2021 ared manure | | | Yes=1 No=3 | 0246 |
| If ite | m 17 = 1 continue. Otherwise | go to Section D.] | | | | Acres |
| а | . To how many acres in the s | selected field was manure or compost applied? | | | | 0247 |
| | | | | Units per | · acre | Unit Codes 1 Tons 2 Gallons 3 Bushels 4 Cubic yards |
| b | . What was the amount of m | anure or compost applied per acre to the selec | ted field? | | | 0240 |
| С | | post applied to the selected field for the 2021 ri | | | | Percent |
| | i. in the fall before plantir | ng? | | | + | 0254 |
| | ii. in the spring before pla | nting? | | | + | 0255 |
| | iii. after planting? | | | | + | 0256 |
| | | | | | = | 100% |
| | | | 1 Lagoon liqu 2 Slurry liquid | | | Code |
| d | . Was the manure or compo | st | 3 Semi-dry o | | | 0257 |
| е | . Was the manure or compost | Broadcast or sprayed without incorporation? Broadcast or sprayed with incorporation? Injected/knifed in? Sprayed using irrigation systems? | | | | Code 0258 |
| f. | Was the major source of manure or compost | 1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids - municipal sludge? 8 Food waste? 9 Other? Specify: | | | | Code 0259 |
| g | . Was the manure or compost | 1 Produced on this operation? 2 Purchased? 3 Obtained at no cost off this operation? 4 Obtained with compensation (operator received payment for accepting the manure)? | | | | Code 0260 |
| If ite | m 17g = 2, continue. Otherwis | | Dollars & per Ad | _ |)R | Total Dollars |
| | the selected field? INC | t of the purchased manure or compost applied to CLUDE operator, landlord, and contractor costs. t made for transportation costs | (O | | 028 | |

Code

| | " 5" 1" 10 10 | C3-1 | 0286 | |
|------------|--|---------------|------|-------------|
| [If item | n 17gii = 1, ask] | No=3 | | |
| ĮII ILOIII | Dollars & Cents per | | | |
| | (a) What was the total cost paid to have manure or compost custom | OR | | tal Dollars |
| | applied to the selected field? INCLUDE operator, landlord, and contractor cost | | 0288 | |
| [Do no | t report custom application cost if it was included with the purchased manure or compost cost.] | _ | | |
| | | | T | Miles |
| h. | What is the distance in miles between the manure or compost storage/production location and selected field? | the | 0291 | |
| | | | | Code |
| i. | Of the manure or compost applied to the selected field, was any tested for nutrient content prior to application? | Yes=1 No=3 | 0261 | |
| j. | Was the application rate of commercial nitrogen fertilizer on the selected field reduced due to manure or compost application? | Yes=1 No=3 | 0262 | |
| [If 17j = | = 1, ask] | | | Percent |
| | i. By what percent did you reduce the commercial nitrogen fertilizer application rate on the selected field? | | 0263 | |
| | | | | Code |
| | ii. Did you adjust the rice harvest date for the selected field due to the application of | | 0280 | Code |
| | manure or compost? | Yes=1 No=3 | | |
| | | | | |
| 10 \\/a | ere the manure or compost application rates to the selected field influenced by Federal, | Г | 0264 | Code |
| | | 'es=1 No=3 | 0204 | |
| [If item | n 18 = 1, ask] | | | |
| a. | What basis was used to determine these manure application rate restrictions | _ | | Code |
| | | C3- I | 0265 | |
| | | No=3 | 0266 | |
| | | es=1 No=3 | 0200 | |
| | empared to the last time you planted rice, did you make any of the following changes to your opping practices with the intent of reducing commercial fertilizer use? | | | Code |
| a. | | ′es=1 No=3 | 1226 | |
| b. | | ′es=1 No=3 | 1228 | |
| C. | | ′es=1 No=3 | 1227 | |
| d. | | ′es=1 No=3 | 1224 | |
| [If item | n 19d = 1, ask] | _ | | Percent |
| | i. By what percent did you reduce the amount of commercial nitrogen fertilizer applied for 202 | | 1225 | |

BIOCONTROL or PESTICIDE APPLICATIONS - SELECTED FIELD

Office Use

D

| Now I have some questions about all the biocontrols or pesticides used on the selected field for the 2021 ric | е |
|---|---|
| crop, including both custom applications and applications made by this operation. | (|

Edit Table Code 0302 0300 1. Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this rice field for the 2021 crop?.... No=3

[Probe for applications made in the fall of 2020 and those made earlier if the selected field was fallow.]

If no biocontrols or pesticides applied, go to Section E.

| INCLUDE defoliants, fungicides, herbicides, | EXCLUDE adjuvants, nutrients or fertilizers | . T | | |
|--|---|---------------|-------|------|
| insecticides, and other pesticides. | reported earlier and seed | Office Use | Table | 0399 |
| INCLUDE biological and botanical pesticides. | treatments. | Line in Table | 001 | |

| | | 2 | 3 | 4 | 5 | 6 0 | R 7 | 8 |
|--------------------------|---------|---|--|--|---|---|--|---|
| Chemical Product Name | L – Z E | What products were applied to the selected field? [Show product codes from Respondent Booklet.] | Was this product bought in liquid or dry form? | If this was part of a tank mix, enter line number of first product in mix. | When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest | 6 Of How much was applied per acre per application? | What was the total amount applied per application in the selected field? | [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams |
| | 01 | 61 | 62 | 63 | 64 | 65 • | 73 | 74 |
| | 02 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 03 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 04 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 05 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 06 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 07 | 61 | 62 | 63 | 64 | 65 • | 73 | 74 |
| | 08 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 09 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 10 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 11 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 12 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 13 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |
| | 14 | 61 | 62 | 63 | 64 | 65 | 73 | 74 |

2. For biocontrols or pesticides not listed in Respondent Booklet, specify--

| Line | Pesticide Type (Herbicide, Insecticide, Fungicide, etc.) | EPA No. or Trade Name and Formulation | Form Purchased (Liquid or Dry) | Where Purchased (Ask only if EPA No. cannot be reported) |
|------|--|---------------------------------------|-----------------------------------|--|
| | | | | |
| | | | | |

Applications Codes for Column 9

- 1 Broadcast, ground without incorporation
- 2 Broadcast, ground with incorporation
- 3 Broadcast, by aircraft
- 4 In seed furrow
- 5 In irrigation water

- 6 Chiseled/injected or knifed in
- 7 Banded in or over row
- 8 Foliar or directed spray
- 9 Spot treatments

| | 9 | 10 | 11 | 12 | 13 | 14 |
|-------------|---|---|-----------------------------------|--|--|---|
| | How was this product applied? [Enter code from | How many acres in the selected field were treated with this product? | How many times was it applied? | Were these applications made by | What was the cost per unit of the product? | Unit Code |
| L N E | above.] | Acres | Number | Operator, partner, or family member? Custom applicator? Employee/Other? | Dollars & Cents per Unit | 1 Pounds 15 Liquid Ounces 12 Gallons 28 Dry Ounces 13 Quarts 30 Grams 14 Pints |
| 01 | 76 | | 79 | 80 | 81 | 82 |
| 02 | 76 | 77 | 79 | 80 | 81 | 82 |
| 03 | 76 | 77 | 79 | 80 | 81 | 82 |
| 04 | 76 | 77 | 79 | 80 | 81 | 82 |
| 05 | 76 | 77 • | 79 | 80 | 81 | 82 |
| 06 | 76 | 77 • | 79 | 80 | 81 | 82 |
| 07 | 76 | 77 | 79 | 80 | 81 | 82 |
| 08 | 76 | 77 | 79 | 80 | 81 | 82 |
| 09 | 76 | 77 | 79 | 80 | 81 | 82 |
| 10 | 76 | 77 | 79 | 80 | 81 | 82 |
| 11 | 76 | 77 | 79 | 80 | 81 | 82 |
| 12 | 76 | 77 | 79 | 80 | 81 | 82 |
| 13 | 76 | 77 • | 79 | 80 | 81 | 82 |
| 14 | 76 | 77 | 79 | 80 | 81 | 82 |

| | | | | | Code |
|-----|-------------------|---|-----------------------------|---------------|---------------|
| 3. | We | ere any chemicals, biocontrols, or pesticides applied by custom applicators? | | Yes=1 No=3 | 0323 |
| [If | item | 3 = 1 ask Otherwise go to item 4.] | | Code | |
| | a. | Are you able to report the cost of chemical, biocontrol, and pesticide produ application separately? | Yes=1 No=3 | 0324 | |
| [lf | item | 3a = 1, ask] | | | |
| | | | Dollars & Cents per Acre | OR | Total Dollars |
| | b. | Excluding the cost of the chemical, biocontrol, and pesticide products, how much was spent for custom application of such materials on the selected field? INCLUDE operator, landlord, and contractor costs | 0331 | | 0332 |
| 4. | app cos age | nat was the total cost of all chemical, biocontrol, or pesticide products blied to the selected field? INCLUDE operator, landlord, and contractor sts, defoliants, herbicides, insecticides, fungicides, surfactants, wetting ents, growth regulators, and materials applied before planting and during 20 fallow period. EXCLUDE seed treatments | Dollars & Cents per Acre | OR | Total Dollars |
| | a. | How much was spent for herbicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs | Dollars & Cents per Acre | OR | Total Dollars |
| | | Treebbe operator, randora, and contractor cocto | Dollars & Cents per Acre | OR | Total Dollars |
| | b. | How much was spent for insecticide products applied to the selected field? INCLUDE operator, landlord, and contractor costs | 3036 | | 3037 |
| No | te: | If custom applied and the costs for materials can be separated from application cost Otherwise, report both the material and application costs in item 4. | sts, include the cost f | or mate | erials only. |
| | | | | | |

Now I have some questions about your pest management decisions and practices used on the selected field for the 2021 rice crop. By pests, we mean weeds, insects, and diseases.

| [En | umerator Action: Were pesticide applications rep | ported in Section D?] | | | |
|-----|--|--|---------------|------|---|
| | ☐ Yes - Continue ☐ No - Go to item 6 | | | Code | _ |
| 1. | Were weather data used to assist in determining applications? | | Yes=1 No=3 | 0800 | |
| 2. | Were any biological pesticides such as Bt (Bacil. | lus thuringiensis), insect growth regulators, | | Code | _ |
| | neem or other natural/biological based products selected field? | sprayed or applied to manage pests in the | Yes=1 No=3 | 0801 | |
| 3. | Were pesticides with different mechanisms of ac purpose of keeping pests from becoming resista | | Yes=1 No=3 | 0802 | |
| | umerator Action: Were herbicide (pesticide prod Section D, item 1, column 2?] | uct codes 10000-99000) applications reported | | | |
| | ☐ Yes - Continue ☐ No - Go to item 6 | | | Code | |
| 4. | Were herbicides applied to the selected rice field | d before weeds emerged? | Yes=1 No=3 | 0803 | |
| 5. | Were herbicides applied to the selected rice field | Yes=1 No=3 | 0805 | | |
| 6. | Were records kept for the selected field to track diseases? | Yes=1 No=3 | 0823 | | |
| 7. | Did you use published information on infestation measures to manage pests in the selected field? | Yes=1 No=3 | 1824 | | |
| 0 | In 2021, how was the calcuted field primarily | 1 By deliberately going to the field specifically for scouting activities [Enter code 1 and go to item 9.] | | Code | |
| 8. | In 2021, how was the selected field primarily scouted for insects, weeds, diseases, and/or beneficial organisms? | 2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 10.] | | 0808 | |
| | beneficial organisms: | 3 The selected field was not scouted. [Enter code 3 and go to item 15.] | | Code | |
| 9. | Was an established scouting process such as sy or were insect traps used in the selected field? | | Yes=1 No=3 | 0809 | |
| 10. | Was scouting for pests done in the selected field | d due to | | Code | |
| | a. a pest advisory warning? | | Yes=1 No=3 | 0810 | |
| | b. a pest development model? | | Yes=1 No=3 | 0811 | |

| 1 | 2 | 3 | 4 |
|-------------------------------------|---------------|--|---|
| | | [If Yes, ask] What was the infestation level for [column 1]? | [If column 2 = Yes, ask] Who did the majority of the scouting for [column 1]? |
| 11. Was this rice field scouted for | | Higher than normal Normal Lower than normal | Operator, partner or family member An employee Farm supply or chemical dealer Independent crop consultant or commercial scout |
| | Yes=1 No=3 | Code | Code |
| a. weeds? | 0812 | 0813 | 0814 |
| b. insects or mites? | 0815 | 0816 | 0817 |
| c. diseases? | 0818 | 0819 | 0820 |

[If scouted by crop consultant or commercial scout, ask item 12. Otherwise go to item 13.]

| [in esecuted by erep seriounding of seriminer old research delivery 12. Series wise go to her | | | |
|---|---------------------------------------|---------------|---------------|
| | Dollars & Cents per Acre | OR | Total Dollars |
| 12. How much was charged for the scouting services for the selected field? INCLUDE operator, landlord, and contractor costs | 0821 | | 0822 |
| | | | Office Use |
| a. If scouting performed at no cost, explain: | · · · · · · · · · · · · · · · · · · · | | 0333 |
| | | | Code |
| 13. Were scouting data compared to published information on infestation thresholds when to take measures to manage pests in the selected field? | | Yes=1 No=3 | 0824 |
| 14. Did you use field mapping of previous weed problems to assist you in making we management decisions? | | Yes=1 No=3 | 0825 |

| 15. | | you do any of the following other types of pest management for the specific purpose of naging or reducing the spread of pests in the selected field? | | Code |
|--------|-----|---|---------------|---------------|
| | a. | Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for the selected field? | Yes=1 | I I |
| | b. | Plow down crop residue using conventional tillage? | Yes= | |
| | C. | Remove/burn down crop residue? | Yes= | 0843 |
| | d. | Rotate crops in the selected field during the past three years? | Yes=1 | |
| | e. | Maintain ground covers, mulches, or other physical barriers? | Yes= | 3 |
| | f. | Choose crop variety because of specific resistance to a certain pest? | No=3 | |
| | g. | Use no-till or minimum till? | No=3 | |
| | h. | Plan planting locations to avoid cross infestation of pests? | No=3 | |
| | i. | Adjust planting or harvesting dates? | No=3 | |
| | j. | Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines? | Yes= | 0850 |
| | k. | Clean equipment and field implements after completing field work to reduce the spread of pests? | Yes= | |
| | | | ., | . [0050 |
| | I. | Adjust row spacing, plant density, or row directions? | Yes= | 0852 |
| | m. | Have the seed treated for insect or disease control after you purchased the seed for the selected field? | Yes= | |
| | n. | Maintain a beneficial insect or vertebrate habitat? | No=3 | |
| | Ο. | Use a flamer to kill weeds? | Yes= | 0857 3 |
| | p. | Maintain buffer strips or border rows to isolate rice from non-organic crops or land, or did you take a buffer harvest? | Yes= | |
| | q. | Plant earlier or later to avoid weeds? | Yes= | 0865 |
| | | | | Code |
| 16. | | re any beneficial organisms, such as insects, nematodes, or fungi, applied or released in the ected field to manage pests? | Yes=1 No=3 | |
| | | | | Code |
| 17. | | re floral lures, attractants, repellants, pheromone traps, or other biological pest controls used the selected field? | Yes= | |
| [If it | tem | 16 or item 17 = 1, ask] | | |
| | a. | What were the total materials and application costs for all biological pest controls for the selected field? INCLUDE operator, landlord, and contractor costs. INCLUDE cost for beneficial organisms, insects, nematodes, and Dollars & Cents per Acre 0859 | OF | Total Dollars |
| | | fungi. EXCLUDE biological pesticides previously reported | | |

| | | Code |
|---|---------------------------|--|
| 18. Was a trap crop, excluding fallow, grown to help manage insects in the selected field? | Yes=1 No=3 | 0863 |
| 19. Was the selected field left fallow in 2020 to help manage insects on the selected field? | Yes=1 No=3 | 0864 |
| 20. Were water management practices such as irrigation scheduling, controlled drainage, or | | Code |
| treatment of retention water used on the selected field to manage pests or toxin-producing fungi and bacteria? | 100 1 | 0861 |
| 21. Was protection of beneficial organisms a factor in your pest control decisions for the selec field? | ted _{Yes=1} No=3 | 1765 |
| [If item 21=1, continue. Otherwise go to item 22.] | | Code |
| a. Did you change timing of, reduce application rate of, or eliminate a pesticide applicatio | Yes=1 n? No=3 | 1766 |
| b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice? | Yes=1 No=3 | 1767 |
| | | Code |
| 22. Did pests, such as weeds, insects, pathogens, animals, cause any yield loss on the select field in spite of your pest control efforts? | | 0827 |
| [If item 22 = 1, continue. Otherwise go to item 23.] | | |
| | nits per Acre | Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels |
| selected field in spite of the management practices you used to reduce those losses? | | 0828 |
| Uı | nits per Acre | Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels |
| 23. If the selected field was not treated with herbicides, tillage, or cultivation, how much yield loss per acre would you expect from weeds? | | 0870 |
| | | |
| Cor | | or Pest Management ata |
| 1 Inco | mplete/Refusal | 0500 |

F

| 1. | Including custom operations, I need to list field work performed by machines on the selected field for the 2021 rice crop. Please Check List INCLUDE all field work using machines for | | | | | | | |
|----|---|--|----------------|--|--|--|--|--|
| | operations for a co | field operation after harvest of the previous crop, incl ver crop established since the previous crop was har list operations starting with fall 2019. | | ☐ Land forming/Levee Building ☐ Tillage | | | | |
| | point of sale; and | n order through harvest and hauling of this crop to sto | orage or first | ☐ Preparing for Irrigation☐ Planting | | | | |
| | maintain the order | of tandem hook-ups. | _ | ☐ Fertilizer & Pesticide applications | | | | |
| | | Codes for Column 5 1 You (the Operator) 2 Partner | Office Use | ☐ Harvesting & Hauling to storage or first point of sale EXCLUDE | | | | |
| | | 3 Unpaid Worker 4 Paid Part-time or Seasonal Worker | Lines in Table | ☐ Lime & Gypsum/land plaster applications | | | | |
| | | 5 Paid Full-time Worker 6 Custom Applicator | 0499 | ☐ Compost & Non-commercial manure applications | | | | |

| | | | 6 C | Custom Applic | ator | | | | applications | | | |
|---------|---------|--|--------------------------------------|--|---|--|---|--|---|--|--|--|
| 1 | 2 | 3 | 4 | 5 | | [If Column 5 = code 6, skip columns 6 thru 11] | | | | | | |
| | S | What | [Record machine | Who was | 6 What was | 7 [Record size | 8 O How many | R 9 How many t | 10 total What power | 11 What was the | | |
| L - Z E | EQUENCE | operation or equipment was used? | code from Respondent Booklet.] | the machine operator? [Enter code from above.] | the size or swath of the [machine] used? | unit code.] 1 Feet 2 Row 3 Moldboard bottoms Hauling 4 Pounds 5 Bushels 6 Tons | acres were covered? EXCLUDE land forming and hauling operations. | hours were s on land form and haulin [Example backhoes, d border mak ditcher, rea mounted bla trucks, wago forklift etc | spent ning g? 1 <40 HP 2 40-99 HP 3 100-149 HP 4 150-199 HP 3r de, ons, ons, ons, ons, ons, ons, ons, ons | tractor? [Record fuel type only if Power code equals 1-5] 1 diesel 2 gasoline 3 LP gas 4 other | | |
| No. | No. | | Code | Code | | Code | Acres | Hours | Code | Code | | |
| 01 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 02 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 03 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 04 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 05 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 06 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 07 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 08 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 09 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 10 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 11 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 12 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 13 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 14 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 15 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 16 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 17 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |
| 18 | 87 | | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | | |

^{1/}If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet

Office Use

0400

Now I need some additional information about your labor.
 Please report the paid and unpaid labor that worked on the selected field to produce the 2021 rice crop.
 EXCLUDE labor that was reported for field work performed by machines.

| | How many hours did (type of worker) spend on the selected field | | | | | |
|---|---|-------------|-----------------------------------|--|--|--|
| | 1 | 1 2 3 | | | | |
| | scouting for weeds, insects and diseases? | irrigating? | performing other work by hand? | | | |
| Type of Workers | Hours | Hours | Hours | | | |
| You (the operator) | 1101 | 1102 | 1103 | | | |
| Partner(s) | 1104 | 1105 | 1106 | | | |
| Unpaid workers | 1107 | 1108 | 1109 | | | |
| Paid part-time or seasonal workers EXCLUDE custom and contract labor | 1110 | 1111 | 1112 | | | |
| Paid full-time workers EXCLUDE custom and contract labor | 1113 | 1114 | 1115 | | | |

| 3. | What was the average hourly wage rate paid to part-time or seasonal hired workers on the selected field? Part-time workers are defined as those who worked for wages or salaries for less than 30 hours a week on average. | Dollars & Cents Per Hour | OR | Total Dollars per Week | AND | Number of Hours Worked Each Week |
|-------|---|-----------------------------|----|------------------------|---------------|--|
| | EXCLUDE custom and contract workers, payroll taxes and benefits | 1119 | | 2119 | | 3119 |
| 4 | What was the average hourly wage rate paid to full-time | Dollars & Cents Per Hour | OR | Total Dollars per Week | AND | Number of Hours Worked Each Week |
| ٦. | hired workers on the selected field? EXCLUDE custom and contract workers, payroll taxes and benefits | 1118 • | | 2118 | | 3118 |
| | | | | | | Code |
| 5. | Was any contract labor used on the selected field? | | | | Yes=1 No=3 | 1116 |
| [lf i | If item 5 = 1, ask] | | | | | Dollars & Cents Per Acre |
| | a. What was the average cost per acre for this contract la INCLUDE operator, landlord, and contractor costs | | | | | 1117 •——— |
| 6. | . What percent of the total number of unpaid hours worked on the selected field was performed by workers under 16 years of age? Estimates of labor costs for unpaid workers are based on off-farm wage rates, which are different for workers under 16 relative to those 16 and older | | | | | Percent |
| ٠. | | | | | | 1120 |

7. Now I need some information on how much was spent or will be spent for custom services used on the selected field for the 2021 rice crop.

| | 1 | 2 | | |
|---------|--|-----------------------------------|---|--|
| | Custom Service Which of the following services were performed for the 2021 rice crop on the selected field? | la contr muc [cc sele | uding operator, andlord, and actor costs, how th was spent for olumn1] on the cted field for the 021 rice crop? | |
| | [Check box for each service performed; refer to item 1 if necessary.] | [| Dollars & Cents per Acre | |
| | a. Custom land preparation, shaping and/or leveling? | 1121 | • | |
| | b. Custom cultivating? | 1122 | • | |
| | c. Custom planting and/or reseeding? | 1123 | • | |
| | d. Custom harvesting? | 1124 | | |
| | e. Custom hauling to storage or point of first sale? x : (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre) | 1126 | · | |
| | f. Custom harvesting and hauling from field to storage or point of first sale? | 1127 | | |
| | | 1128 | · | |
| 8. | | es=1 No=3 | Code 1153 | |
| [If ite | em 8 = 1, ask] | _ | Years | |
| ; | a. On average, how many years are there between laser leveling operations performed on the selected field? | | 1142 | |
| | | _ | Code | |
| | | es=1 No=3 | 1195 | |
| | | es=1 No=3 | 1196 | |

| | Which of the following technical or consultant services did you obtain to make | | |
|------------------|---|---------------|---------------|
| re | ecommendations for the selected field? | | Code |
| а | Nutrient recommendations/management service? | Yes=1 No=3 | 1129 |
| b | Soil or tissue sample collection? | Yes=1 No=3 | 1130 |
| С | Pest control recommendations/management service? | Yes=1 No=3 | 1131 |
| d | l. Pest scouting? | Yes=1 No=3 | 1132 |
| е | | Yes=1 No=3 | |
| f. | Yield map or remote sensing map development/interpretation? | Yes=1 No=3 | |
| g | . Other custom or technical service? [Specify:] | Yes=1 No=3 | 1135 |
| - 12. V II | y item in 11a-g = 1, continue. Otherwise go to item 13.] What was the cost for any technical or consultant services reported in item 11. NCLUDE operator, landlord, and contractor costs. EXCLUDE cost of soil or ssue tests or scouting costs previously reported. Do not report costs for any | OR | Total Dollars |
| 0 | of these services reported above if they were previously reported as part of the cost of materials and/or application | | 1137 |
| 13. F | Please report how any data from the selected field in 2021 will be stored and accessed. | | |
| а | . Did you access the data collected from the selected field on a | | Code |
| | i. Paper hard copy? | Yes=1 No=3 | 2485 |
| | ii. Personal computer? | Yes=1 No=3 | 2486 |
| | iii. Mobile device? | Yes=1 No=3 | 2487 |
| b | Did you access the data collected from the selected field through an agricultural technology provider website? | Yes=1 No=3 | 2488 |
| [If ite | m 13b = 1, ask] | | Code |
| С | Did you opt out of allowing your agricultural technology provider website to share data collected from the selected field with any third party? | Yes=1 No=3 | 2489 |
| d | l. Did you share any of the data collected from the selected field with a third party through an agricultural technology provider website? | Yes=1 No=3 | 2490 |

| | ere there or will there be any data collection too | | | | | | res=1 No=3 | 2460 | |
|---|---|---------------|---------------------------|------|-----------------------------------|------|---------------|-----------|---------------|
| [If item | 14 = 1, continue. Otherwise go to item 17.] | | | | | | | | |
| Please report the data collection technologies you used on the selected field in 2021 to produce this crop. In the fifth column, report how much it would cost you to replace the data collection tool. In the sixth column, report the annual costs of using the data collection tool. INCLUDE custom service fees, data subscriptions, and online tool subscriptions. If the replacement cost or annual fee does not apply to a particular data collection tool, leave the cell in that column blank. | | | | | | | | | |
| | 1 | 2 | 3 | | 4 | | 5 | | 6 |
| | Data Collection Tool | Tool Used | Collected GPS coordinates | used | was/will be to create a map | | aceme Cost | ent | Annual Fee |
| | | Yes=1 No=3 | Yes=1 No=3 | | Yes=1 No=3 | Tota | l Dolla | ırs | Total dollars |
| a. | Yield monitor | 2461 | 2462 | 2463 | | 2570 | | 2 | 2571 |
| | Soil tests on core sample performed on- | 2464 | 2465 | 2466 | | 2572 | | 2 | 2573 |
| J. | farm or sent out to a laboratory | | | | | | | | |
| C. | Soil sensor tests | 2467 | 2468 | 2469 | | 2574 | | 2 | 2575 |
| d. | Hard-wired crop condition sensors | 2470 | 2471 | 2472 | | 2576 | | 2 | 2577 |
| e. | Wireless crop condition sensors | 2473 | 2474 | 2475 | | 2578 | | 2 | 2579 |
| f. | Drones, aircraft or satellites | 2476 | 2477 | 2478 | | 2580 | | 2 | 2581 |
| g. | Custom service applications - data from completed work on your field | 2479 | 2480 | 2481 | | 2582 | | 2 | 2583 |
| h. | Public data downloaded from online sources. | 2482 | 2483 | 2484 | | | | | |
| [If item | 14a column 2 = 1, continue. Otherwise go to | item 16.] | | | | | | | |
| 15. Dic | I you use the yield monitor information to | | | | | | i | | Code |
| a. | add/improve tile drainage? | | | | | | ⁄es=1 No=3 | 1141 | |
| b. | negotiate new crop leases? | | | | | | ⁄es=1 No=3 | | |
| C. | help determine chemical input use? | | | | | ٠ | ′es=1 No=3 | 1143 | |
| [If any | item 14 column 2 = 1, continue. Otherwise go | to item 18] | | | | | • | | |
| rec | ing data collected from the previous tools table commendations, such as data interpretation, in | | • | • | • | nt | | | |
| foll | owing | | | | | | | 0.40.4 | Code |
| a. | input dealers without other fee-for-services? | | | | | | ⁄es=1 No=3 | | |
| b. input dealers with other fee-for-services? | | | | | | | | | |
| C. | custom service providers? | | | | | | ⁄es=1 No=3 | | |
| d. USDA/university extension services? | | | | | | ٠ | ′es=1 No=3 | 2494 | |
| [If any item 16a-d = 1, ask] | | | | | | | | | |
| e. | What was the cost for all of these services? In and contractor costs. EXCLUDE costs for an were previously reported as part of the costs. | y of these s | services if they | _ | Dollars & Ce per Acre 150 | nts | OR | T 3151 | otal Dollars |
| | application | | | | 150 | | | 0101 | |

| | | Code |
|---|---------------|---------------|
| 17. Did you use an unmanned aerial vehicle (UAV), known as a drone, to help produce or manage the production of rice in the selected field in 2021? | Yes=1 No=3 | 3160 |
| [If item 17 = 1, ask] | | |
| a. In the selected field, did you use the UAV for any of the following purposes? | | Code |
| i. Weed analysis? | Yes=1 No=3 | |
| ii. Spraying herbicide or fungicide? | Yes=1 No=3 | |
| iii. Insect analysis? | Yes=1 No=3 | |
| iv. Insect control? | Yes=1 No=3 | |
| v. Yield analysis? | Yes=1 No=3 | |
| vi. Moisture analysis? | Yes=1 No=3 | |
| vii. Equipment check? | Yes=1 No=3 | |
| b. Did you purchase the UAV? | Yes=1 No=3 | |
| [If item 17b = 1, ask] | | Total Dollars |
| i. What is the replacement cost of the UAV? | | 3169 |
| | | Code |
| c. Do you pay an annual fee for use of UAV? | Yes=1 No=3 | 3170 |
| [If item 17c = 1, ask] | | Total Dollars |
| i. What is the annual fee for use of the UAV? | | 3171 |
| | | |
| 18. Was any of the following GPS-enabled (Global Positioning System) equipment used to produce the selected field in 2021? | rice on | Code |
| a. Mounted in-cab heads-up displays? | Yes=1 No=3 | 2155 |
| b. Smart phones or computer tablets? | Yes=1 No=3 | 2156 |
| c. Automatic section control, such as auto sprayer boom controls or automatic section shut offs? | Yes=1 No=3 | 2165 |

| | | 0. | | | | | |
|---|----------------------|---|------------------------|--------------------|------------|---------------|-----------------------|
| 19. If any GPS-enabled equipment was used, what was the cost to purchase and install all GPS-enabled equipment, not including guidance auto-steering equipment? INCLUDE cost for GPS receiver and annual GPS subscription fee, and operator, landlord, and contractor costs. EXCLUDE costs for any of this equipment if they were previously reported as part of the costs of materials | | | | | | | Total Dollars 2167 |
| and/or application | | | riais | 2100 | | | 2107 |
| апи/от аррпоацоп | | • | | | |] | Code |
| | | | | | | | 2148 |
| 20. Was any guidenes outs steering aguinn | mont evoluding | Light Bar used | on the on | lastad fiel | | Yes=1 | 2146 |
| 20. Was any guidance auto-steering equipm | _ | i Ligiti bai, useu | on the se | iected liei | u ? | No=3 | |
| [If item 20 = 1 continue. Otherwise go to ite | m 21.] | | 1 | | | | |
| | | 1 New, owne | | | | | Code |
| a. Was the guidance auto-steering equ | uipment | 2 Used, owner 3 Leased? | eu? | | | | 2158 |
| | | | | | | | Year |
| | · | £ | | | | | 2159 |
| b. What year was guidance auto-steer | ing equipment | first purchased? | | | | | |
| | | | | Dollars 8 per A | | OR | Total Dollars |
| | | | | 2160 | | 1 | 2161 |
| c. What is the replacement cost for gu | idance auto-ste | eering equipmen | t? | | • | | |
| | | | | Dollars 8 | | , OD | |
| | | | | per A | Acre | OR | Total Dollars |
| d. What is the annual fee for guidance | auto stooring? |) | | 2162 | | | 2163 |
| d. What is the annual lee for guidance | auto-steering : | | | | |] | |
| | | | | | | | Code |
| 21. Was a variable rate applicator used on | the selected fie | eld? | | | | Yes=1 No=3 | 2164 |
| [If item 21 = 1 continue. Otherwise go to Se | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | 140-0 | |
| [In item 21 – 1 continue. Otherwise go to Se | ction G _j | | | | | | |
| Please report the variable rate applicator ty | pes you used o | on the selected fi | eld to pro | duce the r | rice in 20 |)21. | |
| 1 | 2 | 3 | 4 | 4 | 5 | | 6 |
| | Tool Used | Was this applicator | Was this | applicator | What yea | | Premium paid for |
| | | 1 Sensor-based | 1 New, owr | | the appli | cator ed? | the applicator |
| Was a variable rate applicator used on the selected field for: | | 2 GPS-based 3 Both | 2 Used, ow 3 Leased | ned | | | |
| Selected lield for. | | 4 Neither | 2 200000 | | | | |
| | Yes=1 No=3 | Code | Co | ode | Year | r | Total Dollars |
| | 1158 | 2170 | 2171 | | 2172 | | 2173 |
| a. seeding | | | | | | | |

b. fertilizer/lime applications.....

d. irrigation applications.....

pesticide applications.....

G IRRIGATION G

| | | | Acres |
|----------|---|--|--------|
| 1. H | ow many acres in the selected field were irrigated for the 2021 rice crop? | 1160 | |
| | ne, go to Conclusion] | | |
| 2. N | low I have some questions about the irrigation system and water that covers the most acres elected field for the 2021 rice crop. | on the | |
| | | Unit | System |
| a. | . What type of irrigation system was used to irrigate the selected field? [Show System Type Codes in the Respondent Booklet. Enter System Type Code for system that applied the most water.] | System Type Code | 1161 |
| b. | . What was the total quantity of water applied to the selected field during the entire growing season? INCLUDE all water used from both on-farm and off-farm sources and applied by any irrigation system | Inches per Acre OR Total Acre Feet | 1162 |
| [If ope | erator cannot provide item 2b, ask (i) and (ii). Otherwise go to 2c] | | |
| | What is the total number of hours this system was used to apply water to the selected field during the rice growing season? | Total Hours | 1164 |
| | ii. How many gallons per minute were applied? | Gallons per Minute | 1165 |
| C. | What percent of the water used to irrigate the selected field through this system came from surface water sources? | Percent | 1166 |
| d. | . What was the number of times the selected field was irrigated during the rice growing season using any system? INCLUDE any pre-plant irrigation | Number of Irrigations | 1167 |
| e. | . What was the pump type? [If more | | |
| | than one pump in the system, enter type for pump closest to water source.] | Code | 1168 |
| | 5 Siphon 99 No Pump | | T |
| f. | What was the average pumping rate? | Gallons per Minute | 1169 |
| [If iter | m 2a = code 1-9 (Pressure System), ask-] | | T |
| g. | . What was the system operating pressure? | Pounds per Square Inch | 1170 |
| h. | 1 Diesel 2 Gasoline 3 LP Gas | | |
| 11. | pump the water? | Code | 1171 |
| | 6 Solar Power | | |
| i. | What was the average motor size? | Horsepower | 1172 |
| [If iter | m 2e = 99, ask] | | |
| j. | What was the average flow rate? | Gallons per Minute | 1173 |
| k. | How many other acres on this operation were irrigated using the selected field's irrigation system during the 2021 growing season? EXCLUDE the selected field | Acres | 1174 |

| | Dollars & Cents per Acre | OR | Total Dollars |
|----------|---|---------------|---------------|
| | hat was the cost of the fuel or electricity used to irrigate the selected field? CLUDE operator, landlord, and contractor costs | | 1190 |
| | | | Code |
| | as any water purchased to irrigate the selected field? INCLUDE landlord's share and irchases from all sources | Yes=1 No=3 | 1191 |
| [If iten | n 4 = 1 ask Otherwise go to item 5.] | | |
| | Dollars & Cents What was the total cost for the water purchased for the selected field during per Acre | OR | Total Dollars |
| a. | What was the total cost for the water purchased for the selected field during the 2021 growing season? INCLUDE operator, landlord, and contractor costs and ditch maintenance costs for the selected field | | 1194 |
| | | | Total Dollars |
| [If sipl | non tubes were used, item 2a = 10 or 11, ask] | | 1201 |
| | hat would be the total cost to replace all the siphon tubes used on the selected field? | | |
| | · | | |
| [If poly | y pipe system was used, item 2a = 14, ask] | | Total Dollars |
| | hat was the total amount spent for poly pipe used on the selected field during the 2021 growin eason? INCLUDE operator, landlord, and contractor costs | | 1202 |
| | | | Inches |
| [If gate | ed pipe system was used, item 2a = 15 or 16, ask] | | 1203 |
| 7. W | hat was the average diameter of gated pipe used to irrigate the selected field? | | |
| | | | Feet |
| | What was the total length of goted pine used? | | 1204 |
| a. | What was the total length of gated pipe used? | | L |
| | | V1 | Code 1205 |
| 8. W | ere wells used to supply irrigation water for the selected field? | Yes=1 No=3 | |
| | | | |
| [If iten | n 8 = 1 continue. Otherwise go to item 9.] | | Number |
| a. | How many wells were used to irrigate the selected field? | | 1206 |
| | | | Inches |
| | | | 1207 |
| b. | 3 | | |
| C. | What was the average pumping depth of these wells during the irrigation season? Pumping is the depth to water at the start of the irrigation season, plus an average decline in the wate caused by pumping during the irrigation season | r level | Feet 1208 |
| | | | Code |
| d. | Were other fields irrigated using water pumped from wells that supplied water to the selected field? | Yes=1 No=3 | 1210 |
| [If iten | n 8d = 1 continue. Otherwise go to item 9.] | | Acres |
| - | Excluding the selected field, how many other acres on this operation were irrigated using the | same | |

| 9. | 9. Was any additional mainline or lateral pipe used to carry water from the source to the system in the selected field? INCLUDE underground pipe. EXCLUDE any system pipe within the Selected field | | | | | |
|-------|--|------|-------|--|--|--|
| [If i | item 9 = 1 continue. Otherwise go to Conclusion.] | lr | nches | | | |
| | a. What was the average diameter in inches of the most common type of this additional pipe used? | | | | | |
| | | | Feet | | | |
| | b. How many feet of this additional pipe were used to bring water to the selected field? | 1213 | | | | |
| | | | Code | | | |
| 10. | Did you reduce the water applied to the selected field in 2021 due to reduced availability of water supplies? $_{\text{No=3}}$ | 1220 | | | | |
| 11. | Which of these water management 1 Permanent flooding 2 Pinpoint flooding | , | Code | | | |
| | approaches best describes the irrigation water management on the selected field? 3 Delayed flooding Intermittent, controlled, or alternate wetting and drying (AWD) irrigation 5 Furrow or raised bed irrigation | 1221 | | | | |
| | 5 Furrow, or raised bed irrigation 6 None of the above | | | | | |
| | 1 Reused to irrigate on the farm? | | Code | | | |
| 12. | Is the run-off from this field | 1222 | | | | |
| 13. | Which of the following approaches are used to manage drainage of this field? | , | Code | | | |
| | Yes=1 a. Natural drying of the field when weather allows | 1230 | | | | |
| | b. Opening of levee gates or intentional breech of levee | 1231 | | | | |
| | c. Controlled drainage outlet | 1232 | | | | |
| | d. Treatment of drainage water with saturated buffers, filter strips, or constructed wetlands ${\scriptsize \begin{array}{c} {\scriptsize Yes=1} \\ {\scriptsize No=3} \end{array}}$ | 1233 | | | | |
| | e. Treatment of drainage water with a bioreactor | 1234 | | | | |

CONCLUSION

| Location of Selected Field | | | | | | | | |
|---|------------------|----------|--------------------------------------|--------------------------|--|--|--|--|
| I need to locate the selected field of rice on thi | County Name | | Office Use State County FIPS Code | | | | | |
| What county is the selected rice field in? | | | | 0010 | | | | |
| | | LATITUDE | | LONGITUDE | | | | |
| a. Field location | 9854 | | 9855 | | | | | |
| | | decimal | | decimal | | | | |
| We will need additional information to complet call you then to set up a time that is good for y To receive the complete results of this survey on nass.usda.gov/results | ou. | | ruary or March 2 | 2022 to collect it. I'll | | | | |
| To have a summary emailed to you at a lat enter your email address. | ter date, please | 1095 | | | | | | |
| | | | | н н м м | | | | |
| | | | | 0005 | | | | |
| 3. Ending time [Military] | | | | | | | | |

Record Use

4. [Did respondent use farm/ranch records to report--]

| Code | Code | Code |
|--|--|---------------------------|
| Yes=1 [fertilizer data] No=3 | | jority of this Yes=1 No=3 |
| Supplements Used | | |
| 5. [Record the total number of each type o | f supplement used to complete this interview.] | |
| Number 0041 Fertilizer Supplement | Pesticide Supplement Field | Number 0043 d Operations |
| Operation Email: (if different from above) | Oper | ration Phone: |
| 9937 | 9936 | check if cell phone |
| Respondent Name: | Respondent Phone (if different from a | bove) |
| 9912 | 9911 | check if cell phone Date: |

This completes the survey. Thank you for your help.

| | | | | OFFICE US | E | | | | |
|-------------------------|-----------|-------------------------------------|-----------|---|------|-------|--------------------|--------------|--------------------|
| R. Unit | Ptr 1 Str | Ptr 2 Str | Ptr 3 Str | Ptr 4 Str | OPS | SSO 1 | ADJ | Optional Use | |
| 9921 | 9922 | 9923 | 9927 | 9928 | 923 | 9907 | 922 | 9906 | 9916 |
| Response | | Respondent | | Mode | | Enum. | POID | | |
| 1-Comp 2-R 3-Inac | 9901 | 1-Op/Mgr 2-Spouse 3-Acct/Bkpr | 9902 | 2-PATI (tel) 3-PAPI (Face-to- Face) | 9903 | 9998 | 9989 | | |
| 4-Office Hold | | 4-Partner 9-Other | | , | | | Eval . 9900 | 998 | Change 5 |