NASS Survey Training

Agricultural Survey – June 1, 2022
(CROPS APS)

United States Department of Agriculture
National Agricultural Statistics Service

NOD-Training Group
April 2022

General Survey Information

- Project Code: **123 - June Crops/Stocks Survey**

- Questionnaires:
  - Mailing date: May 19th
  - Web reporting instructions included

- Releases:
  - *Acreage* and *Grain Stocks*
  - June 30th, 12 p.m. EST

Key Items

- The survey asks:
  - Small Grains: acres **planted** and acres to be **harvested**
  - Row Crops: acres **planted** and to be planted
  - Forage Crops: acres cut **for dry hay** in 2022
  - Genetically Modified/Genetically Engineered Seed Use for corn, soybeans, and cotton
  - **Storage Capacity** and **Grain in Storage**
  - Value of Sales

Why is this important?

- NASS reports help to create a level playing field for everyone involved in agriculture.
    - Large companies have their own information gathering systems and would have an unfair advantage over farmers and small agribusiness firms if NASS's unbiased reports did not exist.
- Government agencies at various levels are important users of NASS statistics
    - Federal farm programs require information on acreage, production potential, stocks, prices, and income.

Why is this important?

- Producers use the data to make crucial decisions for their operations and to finalize their cropping and marketing plans.

- Agribusinesses use the information to evaluate export potential and international customers look to the data for assurance that the United States will continue to be a reliable supplier of major commodities.

- Universities, extension agents, private and government economists, the farm media and others use the data to identify and analyze emerging issues and trends such as the growth in biotech acres.

Additional Survey Information: Interviewer's Manual

- Chapter 8
  - Completing the interview: screening questions; operation description; changes in operator
- Chapter 9
  - Acres operated; types of land (include/exclude); recording rules for crops; specific crop details
- Chapter 10
  - Grain and oilseeds in storage; hay stocks
- Chapter 17
  - Previously reported data
  - How to handle changes: screening questions; operation description; changes in operator

Introduction

- Questions used to determine:
  - Whether the operation is still in business
  - If the operation has any of the items of interest
    - Crops, cropland, stocks, storage capacity, etc
  - Name and address verification
  - Operation structure
    - Individual
    - Partners
    - Hired Manager

Out of Business

- If operation didn't have any agricultural production or land
  - Carefully go through the screening questions so we can accurately update our records
  - Leave good notes about the situation
    - What happened? New operator? Any other info?

Section 1-Acres Operated

- Asks about:
  - Acres **owned**
  - Acres **rented from** others or used rent free (+)
  - Acres **rented to** others (-)
- Total Acres (=)
- Acres used on a fee per-head or animal unit month (AUM) basis
- Of the total acres how much is **cropland**?

Refresher on **Cropland:**

- Cropland is land which can produce a crop for harvest. Cropland includes land cropped, idle land suitable for cropping, land in orchards, berries, vineyards, nursery, greenhouse, wild hay, and short rotation woody crops. Exclude woodland, marshes, farmsteads, wasteland suitable only for pasture. Pasture is not considered a crop, but cropland used for pasture is included.

    - **See page 905 of the IM for list of includes and excludes**

Section 2-Crops: Small Grains
(varies by State)

- You will be collecting information about:
  - Wheat (Winter, Durum, and/or Other Spring)
  - Barley
  - Oats
  - Rye

Section 2-Crops: Small Grains

- For each small grain crop, asking:
  - Acres **planted** for all purposes (includes grain or seed, cover crop, nurse crop, grazed off, cut for hay/haylage, abandoned)
    - Exclude mixtures of wheat, oats, barley, and other grains
  - Acres **left** to be planted (for selected crops)
  - **AND** acres to be **harvested for grain or seed**
    - Leave a note for any acres not harvested

Section 2-Crops: Row Crops

(varies by State)

- **Corn**
- **Sorghum**
- **Soybeans**:
  - All
  - Single cropped, double cropped
- **Upland Cotton**
- **Pima Cotton**
- **Peanuts**

- **Rice**:
  - Long Grain
  - Medium Grain
  - Short Grain
- **Potatoes**:
  - Reds & Blues
  - Yellows
  - Whites
  - Russets & Others

Section 2-Crops: Row Crops

(varies by State)

- **Dry Edible Beans**
- **Chickpeas**
  - **Small and large**
- **Dry Edible Peas**
  - **Includes Austrian winter peas and wrinkled seed peas**
- **Lentils**
- **Sweet Potatoes**
- **Sunflowers**:
  - Oil varieties
  - Non-oil varieties
- **Canola**
- **Flaxseed**

- **Tobacco**:
  - Burley
  - Dark Fire-Cured
  - Dark Air-Cured
  - Flue-Cured
  - Pennsylvania Type
  - Maryland Type
- **Safflower**
- **Rapeseed**
- **Mustard Seed**
- **Proso Millet**
- **Sugarbeets**
- **Sugarcane**

March Projections

Corn Planted Acreage Down 4 Percent from 2021
Soybean Acreage Up 4 Percent
All Wheat Acreage Up 1 Percent
All Cotton Acreage Up 9 Percent

Corn planted area for all purposes in 2022 is estimated at 89.5 million acres, down 4 percent or 3.87 million acres from last year. Compared with last year, planted acreage is expected to be down or unchanged in 43 of the 48 estimating States.

Soybean planted area for 2022 is estimated at a record 91.0 million acres, up 4 percent from last year. Compared with last year, planted acreage is up or unchanged in 24 of the 29 estimating States.

All wheat planted area for 2022 is estimated at 47.4 million acres, up 1 percent from 2021. If realized, this represents the fifth lowest all wheat planted area since records began in 1919. The 2022 winter wheat planted area, at 34.2 million acres, is up 2 percent from last year but down less than 1 percent from the previous estimate. Of this total, about 23.7 million acres are Hard Red Winter, 6.89 million acres are Soft Red Winter, and 3.62 million acres are White Winter. Area expected to be planted to other spring wheat for 2022 is estimated at 11.2 million acres, down 2 percent from 2021. Of this total, about 10.5 million acres are Hard Red Spring wheat. Durum planted area for 2022 is expected to total 1.92 million acres, up 17 percent from the previous year.

All cotton planted area for 2022 is estimated at 12.2 million acres, up 9 percent from last year. Upland area is estimated at 12.1 million acres, up 9 percent from 2021. American Pima area is estimated at 176,000 acres, up 39 percent from 2021.

Section 2-Crops: Row Crops

- Row crop questions begin with corn and/or sorghum:
  - **Planted** acres
  - Acres **left** to be planted
  - **AND** acres to be **harvested** for either **grain or seed**
- For the remaining row crops, we ask only about **planted** acres and acres **left** to be planted for selected crops
  - Any acres that were planted and then abandoned or destroyed should still be recorded as planted.
  - Make notes of any abandoned acres

Section 2-Crops: Row Crops

- Dry Edible Beans, Dry Edible Peas, and Lentils can be challenging to get into the correct categories
  - If any of the above are reported please verify with the operator
  - There are several classes of Dry Edible Beans
    - Please leave a note as to which classes were planted if possible

Major Classes of Dry Edible Beans

- Black (a.k.a. Turtle)
- Blackeye (a.k.a. Pinkeye or Cow)
- Cranberry (a.k.a. October)
- Great Northern
- Dark Red Kidney
- Light Red Kidney
- Large Lima (CA only)
- Baby Lima (CA only)

- Navy (a.k.a. Pea)
- Pink
- Pinto
- Small Red
- Small White
- Other:
  - Adzuki
  - Anasazi
  - Fava
  - Jacobs Cattle Bean
  - Lupine
  - Myohte
  - Tebo
  - White Adzuki
  - White Kidney
  - Yellow Eye

Crops: Tillage Questions

- **Tennessee only:**
  - Additional tillage questions for Winter Wheat, Corn, Soybeans, and Upland Cotton:
  - Of the planted acres of these crops how much was:
    - No till
    - Minimum tillage
    - Conventional tillage
  - **NOTE**: Planted acres *must* equal the sum of tillage method acres

Section 2-Crops: Dry Hay

- Forage questions ask about acres of **dry hay** to be harvested

  - Acres cut and to be cut for **dry hay** in 2022

    - *Exclude* acres which will <u>only</u> be cut for haylage, greenchop, or straw

- Dry hay crops broken out by:

  - Alfalfa Hay & Alfalfa Mixtures

  - Small Grain Hay

  - All Other Hay

"All Other Hay" Varieties

- Lespedeza [les-pa-dee-zuh]
- Sudan
- Sorghum-Sudan Crosses
- Sudan Crosses
- Birdsfoot Trefoil [tree-foil]
- Ryegrass
- Fescue
- Tall Fescue
- Bermuda
- Timothy
- Pasture Land Cut for Hay

- Orchard Grass
- Grass Hay
- Brome Grass
- Clover
- Clover and Clover Mixtures
- Clover and Grass Mixtures
- Red Clover and Clover Mixtures
- Other Tame and Wild Hays
- Peanut
- Meadows Cut for Hay

Section 2-Crops

- How many acres of new alfalfa or alfalfa mixtures have been or will be seeded in 2022?

- Some states then ask an "all other crops" question

- Acres that will be double cropped in 2022

Section 2a-Genetically Modified/Genetically Engineered (GMO/GE) Seed Use

- To help the USDA and the agricultural industry measure and evaluate the use of biotechnology, NASS estimates corn, soybean and cotton acreage planted with biotech seed varieties

    – Commonly referred to as 'genetically modified' (GMO) or 'genetically engineered' (GE) varieties.

Section 2a-Genetically Modified/Genetically Engineered (GMO/GE) Seed Use

- Seed Traits:

  1. **Bt varieties** have insecticidal proteins which provides protection from damaging insects.

  2. **Herbicide resistant varieties** provide resistance to certain herbicides (such as glyphosate – the active ingredient in Round-Up) which would normally harm the plant.

  3. **Stacked varieties** have both Bt and herbicide resistance.

Section 2a-Genetically Modified/Genetically Engineered (GMO/GE) Seed Use

- Corn and/or Cotton acres planted/to be planted with:
    - Stacked gene varieties (combination)
    - Bt only varieties
    - Herbicide resistant only varieties

- Soybean acres planted/to be planted with:
    - Herbicide resistant only varieties

Modified/Genetically Engineered (GMO/GE) Seed Use

- **You <u>cannot</u> have more acreage reported in section 2a than you did in section 2.**
    - Example: In section 2, the operator reports 100 acres of corn planted for all purposes.
        - In the genetically modified section, he reports 100 acres of stacked gene corn. Then, in error, he also reports 100 acres of Bt corn and 100 acres of herbicide resistant corn for a "total" of 300 acres. Technically, the corn is herbicide resistant and is also Bt but should have only been reported as stacked gene

Section 3-Storage Capacity and Grains Stored

- Asks questions about any storage facilities normally used to store grain **on the operation**, and if they had any grain or oilseeds in storage **on the operation**

- Grain storage capacity usually remains fairly consistent

  - Leave notes if changes have been made

    - Examples: built more grain bins, quit renting a farm that had grain bins, etc.

Section 3-Storage Capacity and Grains Stored

- Grains/oilseeds stored will vary by state.
- The last question for some states will ask if any of the reported stocks were from the 2022 harvest.
  - These need to be excluded
    - Watch for any wheat that may have already been harvested
- Be sure respondent is reporting stocks in the units asked on the survey (bushels, CWT, barrels, etc.)

Section 3-Storage Capacity and Grains Stored (2)

- Sometimes respondents are hesitant to answer the stocks section or are unsure of the amounts stored.

- If a respondent won't/can't give you the *amount* stored:

    - See if they would be willing to just tell you *what* commodities are on hand.

    - Record "Don't know" for the commodities on hand and "Zero" for all others

Section 4-Value of Sales

- Question 1 asks respondents to give their **2021** total gross value of sales.
  - If "None" or "Less than $1000" reported:
  - Routed into the point section
    - Collect information on all the ag activity on the operation
- Question 2 asks which category represents the largest portion of the gross income reported.
  - You can only choose one category

Things to Watch Out For

- Large acreages
  - Or big changes in acres
- Large AUM acreage
  - Especially if it's not that common in your state
- Small portion of acreage harvested for grain or seed
  - Small grains, corn, sorghum
- Double or triple counting GM varieties when they should only be reported under "Stacked Gene"
- Large changes in grain storage capacity
- Large amount of grain in storage
  - IF any small grains have been harvested in 2022, be sure they are not included in stocks.

Reluctant Response

- "Prices go down every time one of these reports come out!"
  - You are right to be concerned about prices. And while prices can fluctuate, historically they tend to go up about as often as they go down after NASS reports are released. The information you and other producers provide actually helps stabilize markets and minimizes price volatility.

Reluctant Response (2)

- "Crop reports only help large companies."
  - I understand why you might feel that way. If unbiased reports are not made by us, farmers would be at the mercy of large companies. These companies and private forecasters make their own estimates, but our reports help keep them honest. And, our reports are released to the media and other data users at the same time so no one has advance access to the data.

June Crops APS & NERD

- June Crops APS will include NERD

- What is *NERD?*

  - **N**on **E**dited **R**espondent **D**ata

    - Formally **P**reviously **R**eported **D**ata

  - We now use Raw, unedited data from respondent/operator

  - Sources: Web, Field, Phone, Mail

June Crops APS & NERD

- **What will you or the operator see?**
  - Prefilled data from the operator during a previous survey in each applicable data box.
    - All data available will be displayed when you enter the record.

  - Data will show on the Web (CASI) and CAPI instruments, only

Acres Operated — AGRICULTURAL SURVEY - JUNE

Please report total acres operated under this land arrangement.

1. On June 1, how many acres did this operation:
   a. Own?

   `5,000` acres

   b. Rent or Lease from others or use Rent Free?
   EXCLUDE land used on an animal unit month (AUM) basis, BLM and Forest Service land.

   `1,000` acres

   c. Rent to others?

   `500` acres

2. Then the total acres operated on June 1 was:

   `5,500` acres

   a. Does the total acres include the farmstead, all cropland, woodland, pastureland, wasteland, and government program land?
   ● Yes ○ No

3. How many acres did this operation use on a fee per head or animal unit month (AUM) basis?
   INCLUDE private, Federal, State, railroad, Public School District, or Indian Reservation Land.

   `2,500` acres

Example of **N**on-**E**dited **R**espondent **D**ata data in CAPI

Which survey the data came from is not included in this pilot

June Crops APS & NERD

Items that may have **N**on-**E**dited **R**espondent **D**ata. This list is for the nation.

Target Survey	Item Code	Item Code Description
June APS	901	Land Owned, Acres
June APS	901	Land Owned, Acres
June APS	902	Land Rented from Others, Acres
June APS	902	Land Rented from Others, Acres
June APS	905	Land Rented to Others, Acres
June APS	905	Land Rented to Others, Acres
June APS	900	Land in Farms
June APS	900	Land in Farms
June APS	802	Cropland Acres
June APS	802	Cropland Acres
June APS	540	Winter Wheat Planted
June APS	836	Winter Wheat Fall Seeded Acres
June APS	541	Winter Wheat Harvested
June APS	553	Durum Wheat Planted
June APS	550	Spring Wheat Planted

June Crops APS & NERD

Items that may have **N**on-**E**dited **R**esponden t **D**ata. This list is for the nation.

Target Survey	Item Code	Item Code Description
June APS	535	Barley All Planted
June APS	533	Oats All Planted Acres
June APS	838	Rye All Seedings
June APS	530	Corn All Planted Acres
June APS	600	Soybeans Planted Acres
June APS	524	Cotton Upland Planted Acres
June APS	690	Peanuts All Planted Acres
June APS	526	Cotton Pima Planted Acres
June APS	605	Rice Long Grain Planted Acres
June APS	604	Rice Medium Grain Planted Acres
June APS	603	Rice Short Grain Planted Acres
June APS	607	Beans Dry Edible All Planted Acres

June Crops APS & NERD

Items that may have **N**on-**E**dited **R**esponden t **D**ata. This list is for the nation.

Target Survey	Item Code	Item Code Description
June APS	706	Chickpeas (Garbanzo Beans) Small All Planted Acres
June APS	705	Chickpeas (Garbanzo Beans) Large Planted Area
June APS	680	Sunflowers Oil Planted Acres
June APS	681	Sunflowers Non-Oil Planted Acres
June APS	570	Sorghum Planted Acres
June APS	111	Sorghum and Sudan All Planted Acres
June APS	315	Tobacco Flue-Cured (Types 11-14) Harvested Area
June APS	714	Peas Dry Edible Planted Acres
June APS	715	Lentils Planted Acres
June APS	684	Canola All Planted Acres
June APS	1684	Canola Fall Seeded Acres

June Crops APS & NERD

Items that may have **N**on-**E**dited **R**espondent **D**ata. This list is for the nation.

Target Survey	Item Code	Item Code Description
June APS	732	Tobacco Light Air-Cured Burley (Type 31) Harvested Area
June APS	734	Tobacco Fire-Cured (Types 21-23) Harvested Area
June APS	730	Tobacco Dark Air-Cured (Types 35-37) Harvested Area
June APS	682	Flax All Planted Acres
June APS	859	Tobacco Cigar Filler PA Seedleaf (Type41) Harvested Area
June APS	316	Tobacco Light Air-Cured Southern MD Belt (Type 32) Harvested Area
June APS	874	Tobacco Other Tyes Harvested Area
June APS	808	Stocks On-Farm Capacity
June APS	808	Stocks On-Farm Capacity

June Crops APS & NERD

- How you will use NERD:
  - Enumerators will ask respondents questions using pre-filled NERD
    - Enumerators will first **remind** respondents of the previous reporting time

Pecan Production and Disposition Inquiry NERD Pilot

- How you will use NERD:
  - "Last time we ~~recorded~~ XX, is this STILL correct"
    - "We is NASS or NASDA"
    - » Be careful not to say "Last time you REPORTED"
      - The information we have recorded as their NERD may not have been reported by the specific person that is being interviewed now.

  - Your goal is to use words that remind the operator what was reported for their operation. Remember when the data was reported is not included in this pilot.

Use the "Reminder / Still Method"

Example of the question:

"Last time we recorded that this operation had 40 Acres RENTED or LEASED FROM others. Is this information still correct?"

Respondent says "YES":

The enumerator should accept the prefilled information as the current answer and move on to the next question.

Respondent says "NO":

The enumerator should ask the standard question as it is worded in the instrument and change the prefilled answer to reflect the respondent's current answer.

June Crops APS

- How do I update or erase NERD data?
  - This step is similar to entering data. Tap in the box with data and erase.
  - If the data is correct, you may move to the next question.

Example of NERD data in CAPI

Note: Data is based on availability. Some records will have data others will not.

June Crops APS & NERD

- Enumerators reporting OOB, Refusal, & Inaccessible records
  - Do not have to worry about removing NERD data from CAPI. These records will be scrubbed before being read into Blaise. Please follow your normal procedures.
- If you are entering Complete data (9901 =1) from paper you will have to change all non-valid NERD pre-filled in CAPI.

June Crops APS & NERD

- FYI- Producers <u>will be</u> notified of the presence of NERD

    – NERD Impact Statement: Presurvey Letter

    – NERD Impact Statement: CASI

June Crops APS & NERD

- Pre-Survey Letters will be sent from each RFO with the NERD Impact Statement.
  - NERD Impact Statement:
    - ***Some answers in your online questionnaire may be pre-filled with information from previous NASS surveys of your operation*.**

What do I do next?

Complete your survey:

Online at agcounts.usda.gov. **Online reporting is fast, convenient, and secure.** All you need is your unique survey code on the enclosed form to begin. Some answers in your online questionnaire may be pre-filled with information from previous NASS surveys of your operation.

By mail or fax. Complete the questionnaire and mail it back in the prepaid return envelope provided or fax it to [Click to enter FAX # - text].

June Crops APS & NERD

- NERD Impact Statement: CASI
  - All producers and enumerators with NERD populated in CASI will view the Impact Statement below. The goal of the statement is to ensure producers review and update NERD when valid.

Introduction	AGRICULTURAL SURVEY - JUNE

You may notice that some questions in this survey may be pre-filled with information we have from previous surveys of this operation. We hope this information helps you complete the survey.

Please click NEXT to continue.

NERD Impact Statement: CASI example

June Crops APS & NERD

- Major Highlights
  - NERD will be pre-filled for all applicable fields.
    - Some records will have NERD others will not.
  - Use the pre-filled fields to verify current totals
    - Use the reminder/still method "Last time we recorded".
  - If pre-filled data is still correct, you may skip to the next question
  - If a record is OOB, refusal, or inaccessible you may leave the NERD data in the record. Once you submit the record a program will scrub all NERD.
  - Operators will receive a written and virtual notification for NERD
  - Contact your NASDA Coordinator for questions and concerns

Special Request for OoB Records

- **2022 Census of Agriculture**
  - Mails out this December
  - **We need to contact every operation that was in business for any part of 2022**
  - If an operation is **Out of Business**
    - **Please ask if they were in business at any time during 2022 and leave a note**
    - We can update the record to still be mailed the Census form

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Conclusion

- One of our most important surveys of the year
  - Establishes a "base" for the rest of the growing season
- Leave good notes
  - Any time you need to explain a situation
  - Or want to provide info to the office
    - You are our "eyes and ears" out in the field
- Work through some practices on your iPad
  - BEFORE interviewing!
- Contact your supervisor/local office with any questions specific to your area

Thanks for all of your hard work. Have a great June!