

# June Area Pre-Screening and ACES - Presentations

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# NASS Survey Training

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## June Area Introduction and Purpose



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Southern Plains Regional Field Office



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# Introduction

NASS is responsible for preparing State and National crop and livestock estimates.



ISSN: 1949-1522

Released June 30, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**Corn Planted Acreage Up 2 Percent from 2020**  
**Soybean Acreage Up 5 Percent**  
**All Wheat Acreage Up 5 Percent**  
**All Cotton Acreage Down 3 Percent**



ISSN: 1949-0925

Released January 12, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**Corn Stocks Up 3 Percent from December 2020**  
**Soybean Stocks Up 7 Percent**  
**All Wheat Stocks Down 18 Percent**

## Acreage



ISSN: 1948-9099

Released January 31, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**January 1 Cattle Inventory Down 2 Percent**

## Cattle

## Grain Stocks



ISSN: 1949-1921

Released September 24, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

**United States Hog Inventory Down 4 Percent**

## Quarterly Hogs and Pigs



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# Introduction

## 2022 JUNE AREA SURVEY

The June Area Survey is one of the largest annual NASS survey projects that provides significant utility for the entire NASS survey program.

OMB No. 0535-0213  
Approval Expires: 5/31/2023  
Project Code: 124  
Survey ID: 2761



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Please make corrections to name, address and ZIP Code, if necessary.

The information you provide will be used for statistical purposes only. Your responses 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 control number for this information collection is 0535-0213. The time required to complete this information collection is estimated to average 20 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.

**Segment Number:** \_\_\_\_\_ **Tract letter:** \_\_\_\_\_ **County:** \_\_\_\_\_

State	Stratum	Segment	Tract
__	_____	000 _____	__ 00

OFFICE USE – CHANGE BOX	
Change = 1 No Change = 3	785



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# Introduction

- Benefits from the June Surveys:
  - Farm supply firms rely heavily on statistics
  - Reliable reports help serve farmer needs
  - Places farmers on equal footing



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# June Area Survey Impacts

1. Measures the incompleteness of the NASS List Sampling Frame (LSF).
2. Collects data on crop acreage, grain stocks, livestock inventory, ag labor, land values, farm type, value of sales, demographics, and computer usage.
3. Data reported by tract operators who are not overlapped (NOL) with the LSF form the basis of samples for follow-on surveys (Cattle Inventory, Sheep and Goat Report, Agricultural Labor, Hog Report, Agricultural Surveys, ARMS 3).



# The List Sampling Frame (LSF)

Person				PersonOper			
Id:	300-104-041	State:	48	Frame:	0	pold:	300-122-900
BUGS BUNNY				Actv:	0	02/08/1999	
2 RABBIT LANE				OpD:	0	02/08/1999	
CORPUS CRISTI,	TX	76634-5004		Mgr?	<input type="checkbox"/>	recSource:	97
		Cnty:	35	dtCensus:	09/02/2017		
Id:	300-106-041	State:	48	Frame:	0	pold:	300-124-900
SYLVESTER CAT				Actv:	0	02/08/1999	
123 MAIN ST				OpD:	0	02/08/1999	
EL PASO,	TX	75431-0356		Mgr?	<input type="checkbox"/>	recSource:	97
		Cnty:	223	dtCensus:	09/02/2017		
Id:	300-107-881	State:	48	Frame:	0	pold:	300-126-740
DAFFY DUCK				Actv:	0	02/08/1999	
234 DUCK POND RD				OpD:	0	02/08/1999	
LUBBOCK, TX		76638-3072		Mgr?	<input type="checkbox"/>	recSource:	97
		Cnty:	309	dtCensus:	09/02/2017		
Id:	300-107-901	State:	48	Frame:	0	pold:	300-126-760
TWEETY BIRD				Actv:	0	02/08/1999	
321 BRICKHOUSE RD				OpD:	0	02/08/1999	
BEAUMONT,	TX	76048-7552		Mgr?	<input type="checkbox"/>	recSource:	97
		Cnty:	221	dtCensus:	09/02/2017		

NASS maintains a list of farmers, partners, and other associated names with agricultural operations as part of the “List Sampling Frame”, (or LSF). We also call this the “List” for short.



# The List Sampling Frame (LSF)

Attached to each record in the List is a set of “control data”, which indicate basic information about the operation, such as total cropland, crops recently produced, livestock inventory, approximate value of sales, etc.

Control Data Name	TypeId	Value	Unit
TOTAL LAND	100	1,183.0	ACRES
LAND RENTED FROM OTHERS	112	1,183.0	ACRES
CALCULATED FARM VALUE SALES	202	597,000	DOLLARS
CALCULATED TYPE OF FARM	203	3	LI - LIST INDIC
CENSUS TOTAL VALUE OF PRODUCTS S	213	1,399,330	DOLLARS
CENSUS TENURE CODE	214	2	LI - LIST INDIC
CENSUS SECONDARY SOURCE INDICATO	216	1	LI - LIST INDIC
CENSUS FARM TYPE	217	3	LI - LIST INDIC
CENSUS CURRENT_STATUS_CODE	218	61	LI - LIST INDIC
INTERNET ACCESS	225	1	LI - LIST INDIC
TOTAL CROPLAND	300	1,180.0	ACRES
HQ CALCULATED LAND IN FIELD CROP:	303	960.0	ACRES
CORN, ALL	320	120.0	ACRES
CORN, HARVESTED FOR GRAIN	321	120.0	ACRES
CORN FOR SILAGE	323	120.0	ACRES
COTTON, UPLAND	326	600.0	ACRES
SORGHUM, ALL	342	300.0	ACRES
WHEAT, WINTER	392	360.0	ACRES
WHEAT, WINTER HARVESTED FOR GRAIN	393	400.0	ACRES
MAX CATTLE	608	120	HEAD
CATTLE & CALVES ALL	610	120	HEAD
FARM WORKERS HIRED	885	1	NUMBER



# The List Sampling Frame (LSF)

- Biggest strengths of a well-maintained List:
  - Data collection is relatively inexpensive.
  - Can target specific or rare commodities.
  - Stratified Random Sampling



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# The List Sampling Frame (LSF)

- Biggest challenges to the List are that:
  - Incomplete
  - Constantly changing
  - Requires ongoing maintenance
  - Expensive to maintain



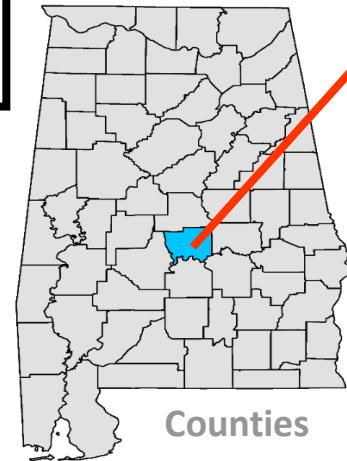
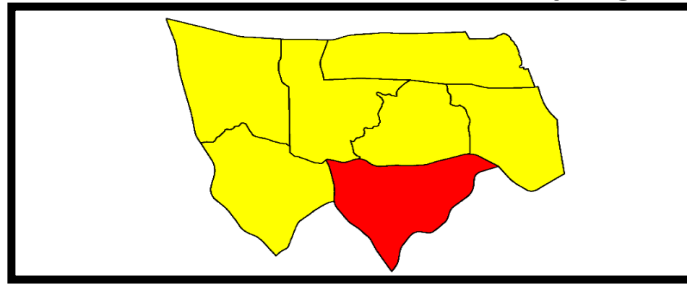
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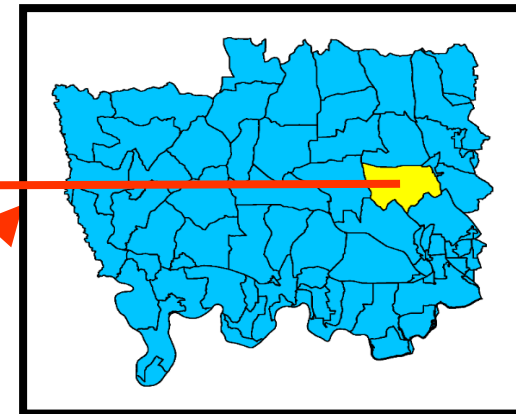
# Segments, Tracts and the Area Frame

The June Area Survey is different as we're sampling plots of land and analyzing the land use.

Break selected PSU down into sampling units



Counties

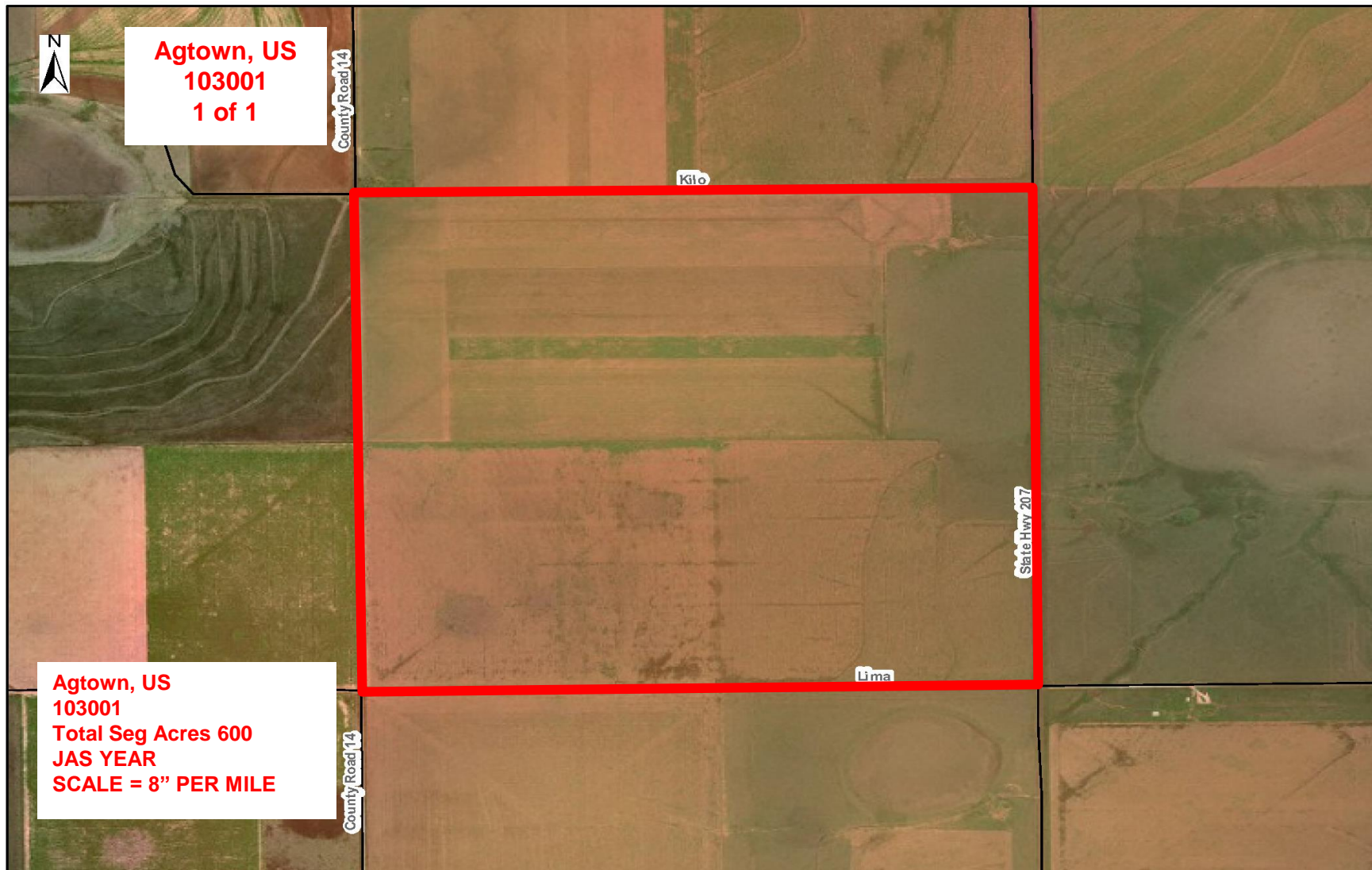


Select PSU's



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# Segments, Tracts and the Area Frame

## Biggest Challenges to Area Frame Enumeration:

- Enumeration is very expensive
- Difficult to sample for specialty crops
- Lack of good boundaries

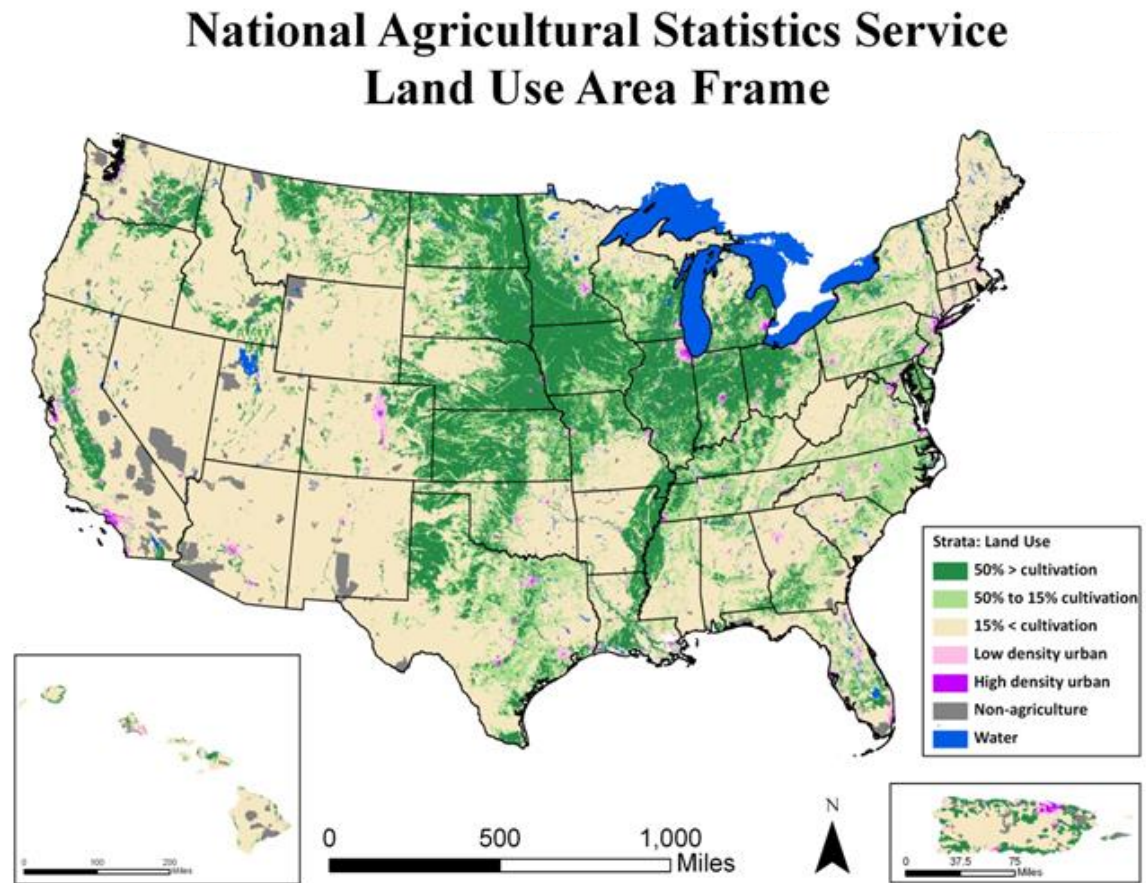


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# Segments, Tracts and the Area Frame

The June Area Survey is essentially a “scavenger hunt” in which we find all agricultural activity within each segment that meets the NASS definition of a farm.



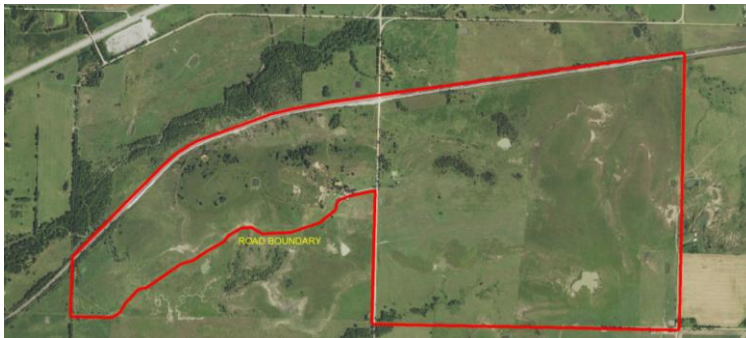
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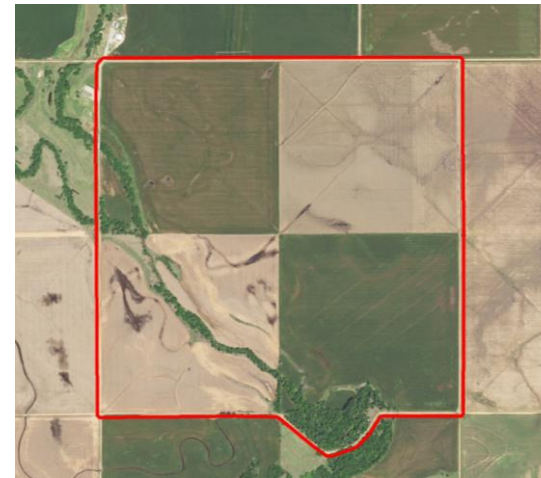
# Segments, Tracts and the Area Frame

Each Segment will be marked by a 6-digit number, which will incorporate the year it rotated into the sample.

**Craig, OK**  
**191307**  
**1 of 1**



**Alfalfa, OK**  
**101067**  
**1 of 1**

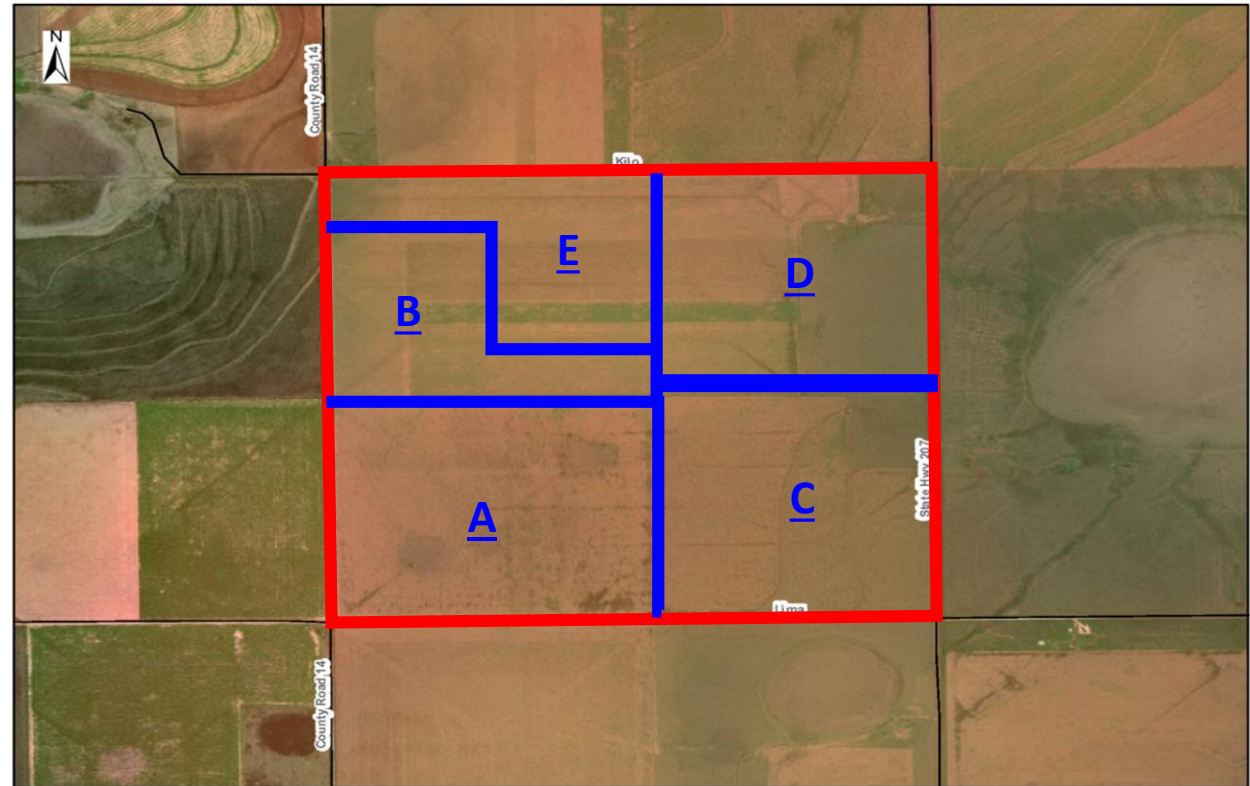


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# Segments, Tracts and the Area Frame

A **Tract** is a parcel of land under one operating arrangement. Tract Boundaries are drawn in **BLUE** pencil (on aerial photo) and represented by **LETTERS**.



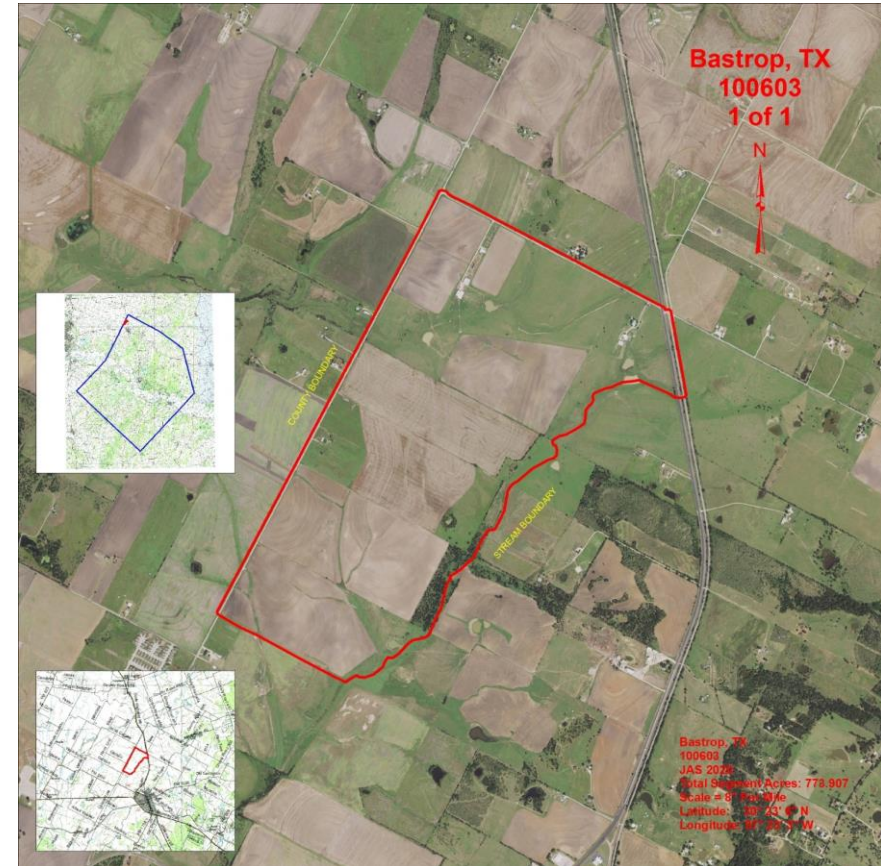
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# Segments, Tracts and the Area Frame

**Non-Agricultural Tracts** include areas of land with no agricultural activity. Non-Ag Tracts totaled 40,838 tracts nationwide (about 50%).

An **Agricultural Tract** is any operating arrangement with land in the segment boundary that has the potential to qualify as a farm.



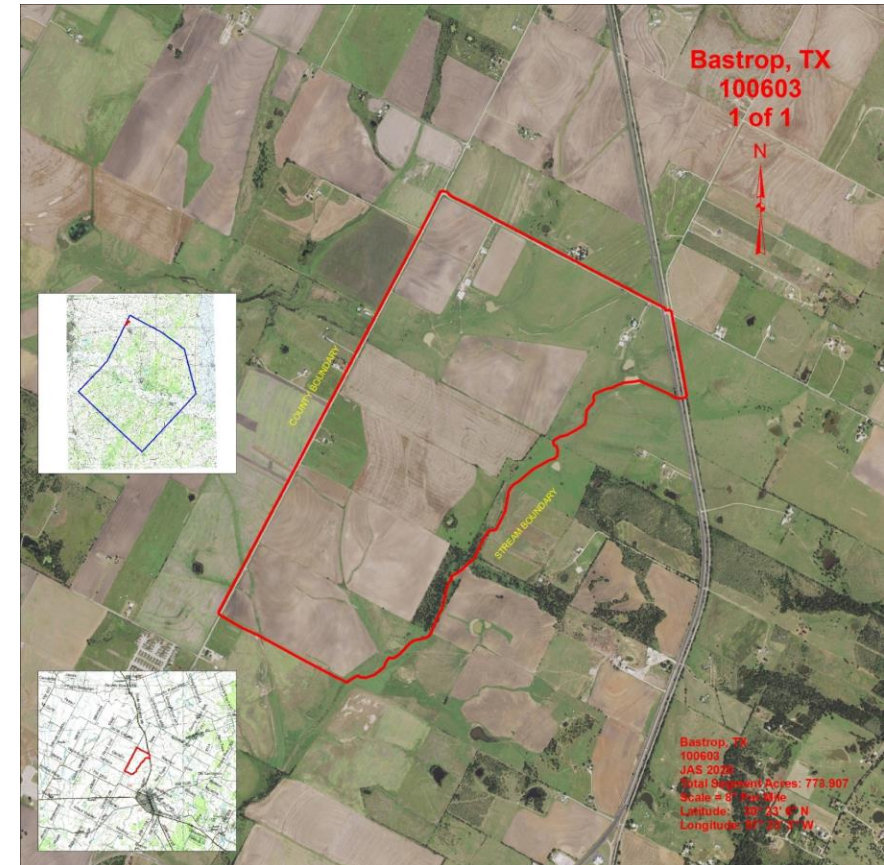
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# Segments, Tracts and the Area Frame

**PIGA Tracts** are Public, Industrial or Grazing Association land which does not meet the definition of Land in Farms.

Found only in western states: AZ, CA, CO, ID, KS, MT, NE, NV, NM, ND, OK, OR, SD, TX, UT, WA, and WY



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# NASS's Farm Definition

*“Any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.”*



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# June Area Takeaway

- Builds the important multi-framed estimates
- Creates supplemental samples for follow-on surveys
- Provides ground truth
- Provides snapshot of reality



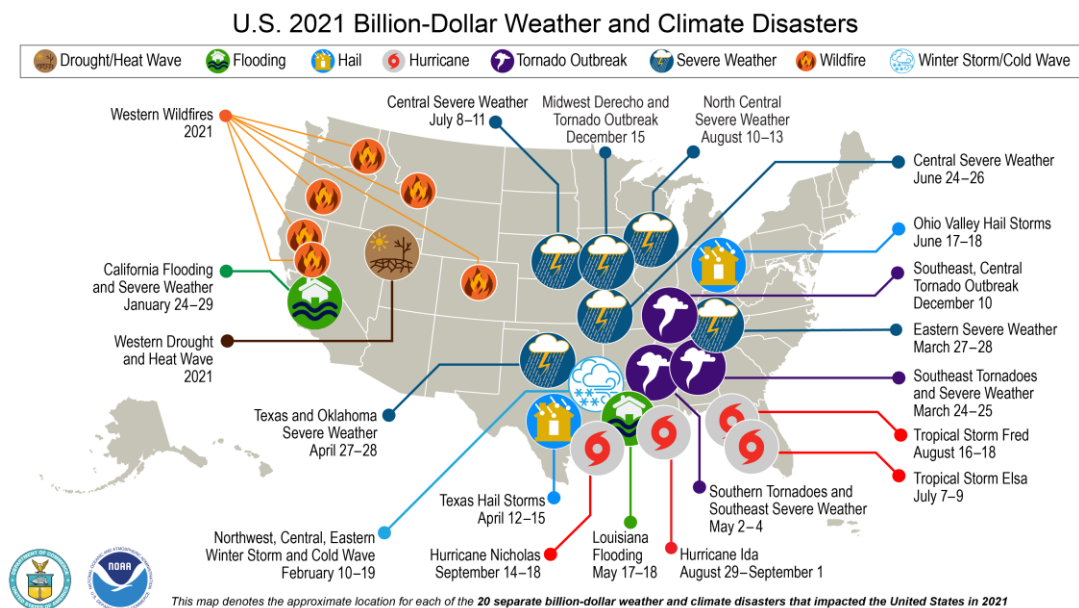
FOR IMMEDIATE RELEASE

Contact: Terry Matlock, (720) 787-3172  
[terry.matlock@usda.gov](mailto:terry.matlock@usda.gov)

**Corn planted acreage up 2% from 2020**  
Soybean acreage up 5% from last year

WASHINGTON, June 30, 2021 – The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) estimated 92.7 million acres of corn planted in the United States for 2021, up 2% from last year, according to the Acreage report released today. Soybean area planted is estimated at 87.6 million acres, up 5% from last year.

Following up to the Prospective Plantings report released in late spring, NASS surveyed more than 90,000 farm operators during the first two weeks of June to gather information on what farmers actually planted. Key findings released in the Acreage report include:



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# Introduction to Pre-Screening



**Justin Cech**  
**Northern Plains Region**



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# Screening/Pre-Screening

Pre-Screening allows us to identify operators in a segment before June data collection starts.

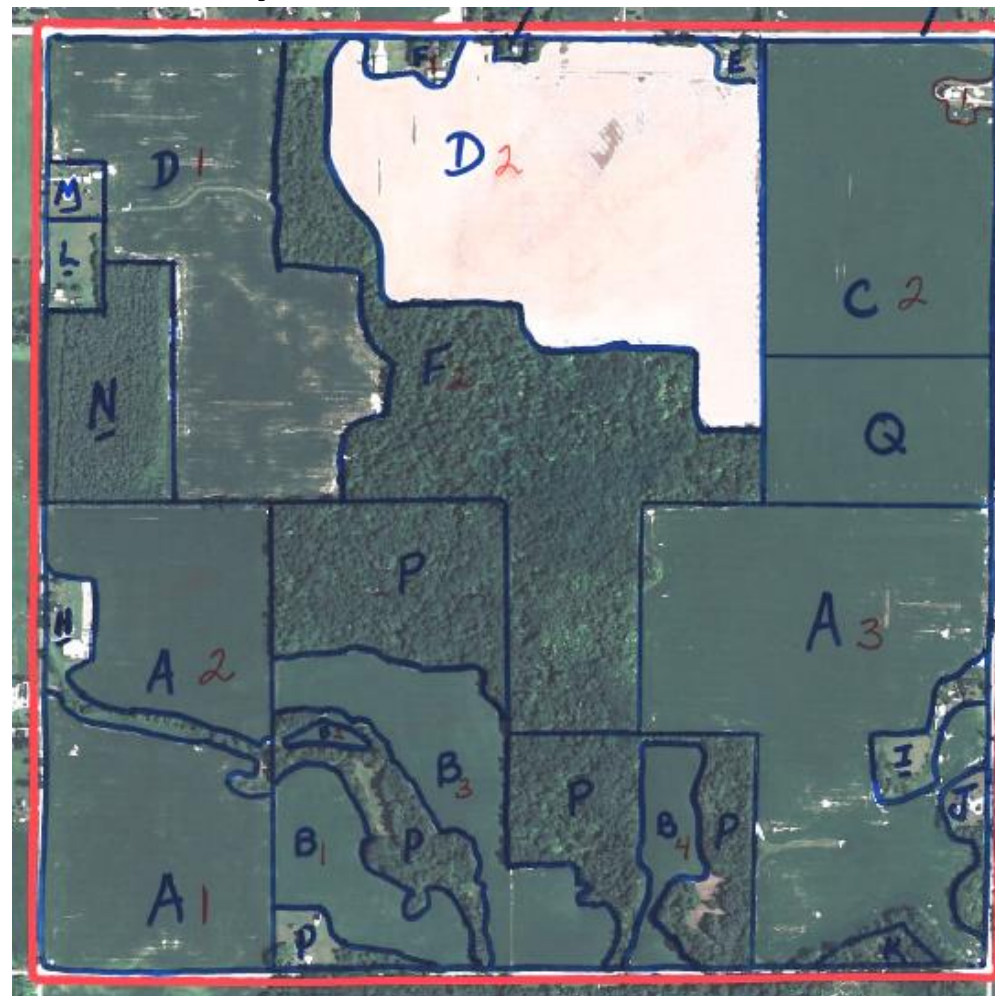


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# Why Pre-Screen?

Identify segment boundaries, segment layout, non-agricultural areas within the segment, and the names and addresses of possible contacts.



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# Screening/Pre-Screening

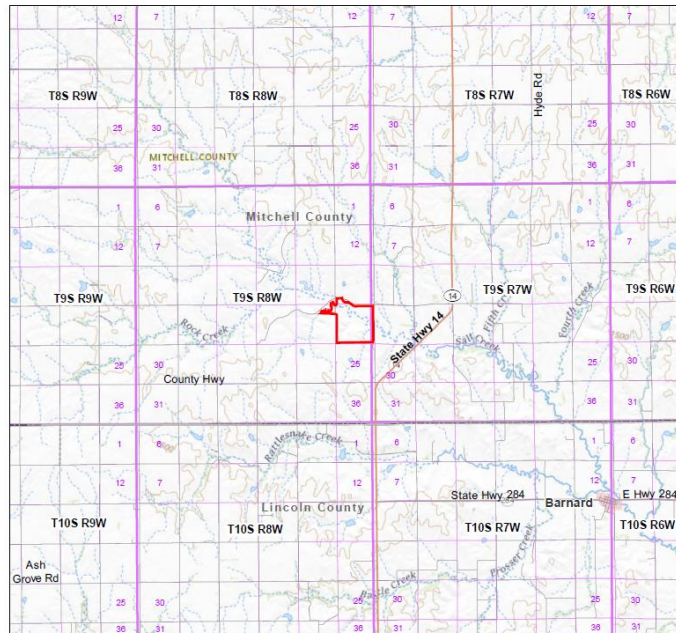
- There must be a completed row on the screening form for each tract identified on the aerial photo.
- Even Segments that are entirely non-ag will still require at least one tract letter and one contact name.

5	6	8	9	10	11
T R A C T L E T T E R	Line 1 – Full Name (First, Middle, Last) Line 2 – Mailing Address Line 3 – City, State, ZIP Code Line 4 – Telephone Number	On the total acres operated on June 1, have there been or will there be any crops grown, hay cut, livestock, poultry, honey bees or aquaculture raised this year?	On the total acres operated on June 1, have you sold or will you sell agricultural products or receive government payments this year?	On the total acres operated on June 1, are any crops now in storage or will there be any crops stored before June 1, 2017?	Has this operation owned or raised any hogs or pigs in the past 12 months, or does it expect to own or raise any this year?
	18 1207 110142 01 PH: (812) 663-7931 DUCK'S ACRES DONALD DUCK 7859 W COUNTY ROAD 200 S GREENSBURG IN 47240-9038  Tract: A Acres: 48.0 18100196490	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No
	18 1207 110142 02 PH: (812) 663-4550 NON AG – HIGH SCHOOL ELMER FUDD 6564 W COUNTY ROAD 100 N GREENSBURG IN 47240-6511  Tract: B Acres: 4.0 18100194260	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No



# How to Pre-Screen

- Locate the segment using maps
- Research and gain knowledge of the segment
- Determine what is in the segment



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# Other Tools Available

- FSA Maps and Listings
- Corelogic Listings
- Helpful respondents within the segment
- Internet based resources
- Observation notes
- Your Supervisor
- Your NASDA Coordinator
- The Regional Field Office



# Pre-Screening Resources

## FSA CLU Maps



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# Pre-Screening Resources

## FSA Names and addresses

### FSA

State Segment: 05\_100004  
State: Hawaii (5)  
Segment: 100004  
District: 30 County: Lyons (21)

Invl Codes  
OW = Owner  
OO = Owner/Operator  
OP = Operator  
OT = Other

In Tract	Mailed	Farm #	Year	Invl	Shr	Whole Name	Op Name	Address	City	St	Zip	Phone 1	Phone 2	Phone 3	Comment
NO		3974	2020	OP	100	John Hancock	MY FARMS	PO BOX 506	BIG	AR	80151-211	555-555-5555	555-555-5555	555-555-5555-C	
NO		1213	2020	OW	0	John Doe		PO BOX 234	LITTLE	OK	64667-400	555-555-5555	555-555-5555	555-555-5555-C	
NO		5810	2020	OW	0	Jane Doe	THIS GUY'S	PO BOX 443	MAY	OK	37658-232			555-555-5555-C	
NO		5096	2020	OW	0	Dude Howdy		PO BOX 603	BE	TN	42174-403			555-555-5555-C	
YES	YES	2373	2019	OP	100	Tom Fry	THE RANCH	PO BOX 783	KNOWHERE	AR	68323-473	555-555-5555	555-555-5555	555-555-5555-C	Just some info about this guy that I wanted to comment on
NO		2127	2019	OW	0	AMY GALLANT		PO BOX 247	PIGGLES		23680-196	555-555-5555	555-555-5555	555-555-5555-C	
NO		3429	2019	OW	0	BUDDY WHOA	BUD'S OATS	PO BOX 654	SEACREST		28461-302	555-555-5555	555-555-5555	555-555-5555-C	
NO		4860	2020	OW	0	BABE RUTH		PO BOX 427	DUDES	AR	15150-486	555-555-5555		555-555-5555-C	
YES	YES	7867	2020	OP	100		GET R DONE	PO BOX 404	MYWAY	AR	38241-407	555-555-5555		555-555-5555-C	
NO		3777	2020	OW	13		SPUDTACULAR FARMS	PO BOX 332	OKIES	AR	88508-344			555-555-5555-C	
YES	YES	5124	2020	OP	75		THE ONE AND ONLY FARM #5	PO BOX 345	HERE	AR	73952-168	555-555-5555		555-555-5555-C	
NO		3847	2020	OW	13		SOME MORE IFO	PO BOX 302	THERE	AR	36315-191			555-555-5555-C	

State Segment: 05\_100004

State: Hawaii (5)

Segment: 100004

District: 30 County: Lyons (21)

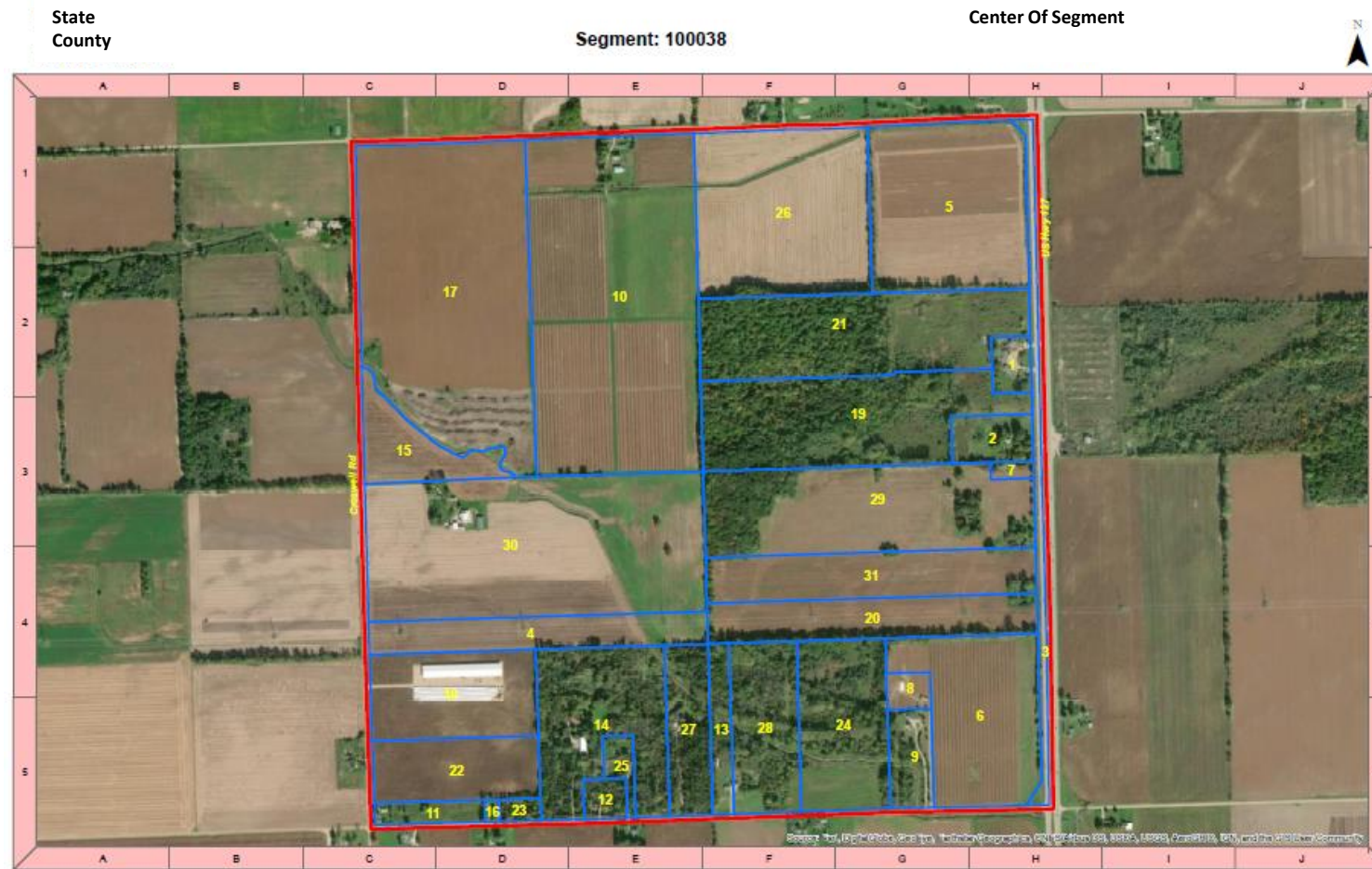


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# Pre-Screening Resources

## Corelogic Parcel Map



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# Driving Around Segment

- Driving around a segment allows enumerators to acquaint themselves with the segment
  - Complete prior to phoning potential segment operators
  - Observe landmarks
  - Familiarize enumerator with segment
  - Observe/confirm non-ag
- Protecting enumerators and respondents is a primary concern



# Enumerator Guidelines

- Plan routes efficiently
  - Use all available resources (Google Earth, paper maps, etc.) to ensure travels are completed with cost efficiencies in mind
- Limit exposure/contact with others
  - Do not get out of the car to talk to anyone
  - Do not visit any USDA Service Centers, County Assessor Offices, or any other offices or businesses for the purpose of identifying operators
- Utilize PPE
  - Wear a mask if stopping at a gas station or restaurant
  - Wash hands thoroughly or use hand sanitizer after visit and outside contact



# Enumerator Guidelines

- Pull over to jot down notes
  - Note landmarks and road names that could help with identifying tracts operated over the phone
  - Document Non-Ag tracts with good descriptions
  - Take note of agricultural production (Ex. the wheat field, the corn stubble, etc.)
  - Note any landmarks within the tracts (Ex. Ditches, tree lines, waterways, etc.)
  - May need to note addresses on mailboxes or houses



# What to bring when hitting the road

- **The manual tells you to bring...**
  - State Highway Map
  - County highway map showing segment locations
  - Area Screening Forms for one or more segments
  - Aerial photographs (with segment boundaries in red)
  - Extra blank screening forms
  - Clipboard (with a plastic cover)
  - Acreage grid
  - Special blue photo markers for marking photos
  - Your iPad



# What to bring when hitting the road

- **Things to keep in the car**
  - NASDA Sign for your windshield
  - Boots/Raincoat
  - Extra pens and sharpened pencils
  - Pockets/Pocket Protector
  - Pencil Sharpener
  - Highway Map
  - Interviewer's Manual
  - NASDA Employee Handbook



# What to bring when hitting the road

- **As you leave, have with you...**
  - Appropriate clothing for the weather
  - Food, snacks, and water
  - Money and/or credit card
  - Cell phone (if you have one)
  - Name Tag and NASDA ID
  - Time Sheets (proof for if you have an accident)



# What to bring when hitting the road

- Plan your route before you leave your home, with alternatives
- Leave a note saying where you might be going (general location, not specific operations) and when you expect to return
- Keep track of your odometer reading for mileage



# New Segments: Identifying the Operator, Assigning Tract Letters & Completing the Screening Form

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**Wendy Vance**  
Northwest Region

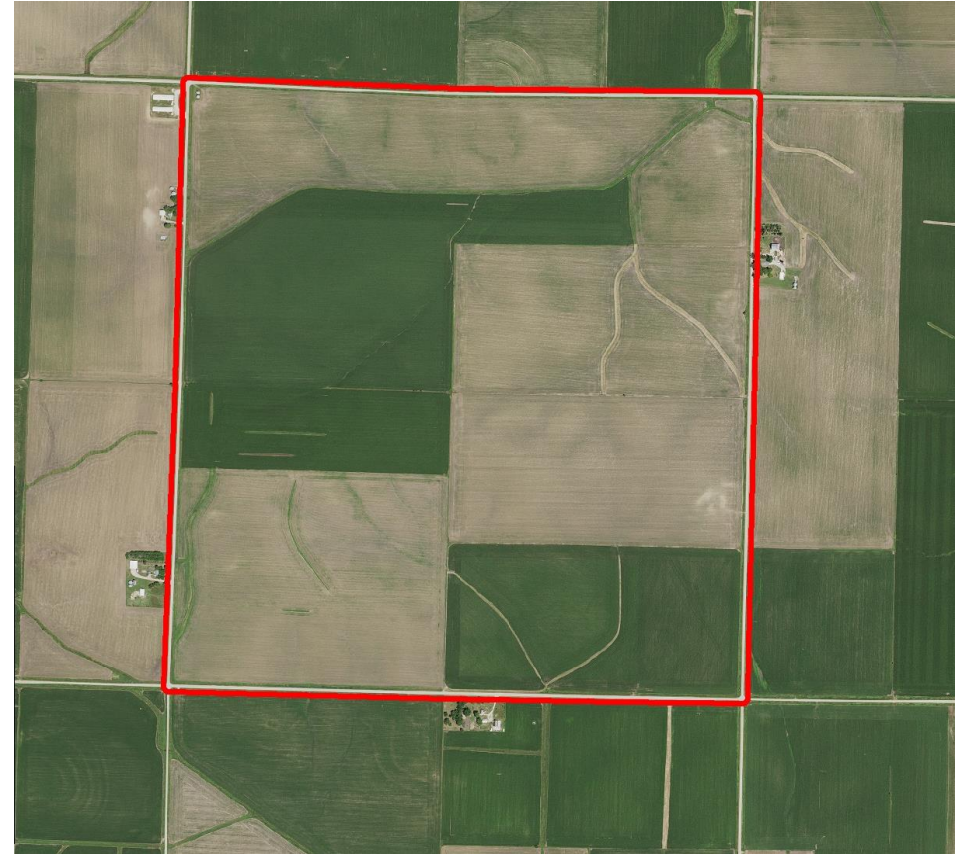


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# New Segments

- First year in the sample
- Have not been enumerated before
- Drive to the segment
- Make notes of your observations
- Do not record any PII on aerial photos.



## JUNE AREA SURVEY SCREENING FORM - VERSION B

OMB No. 0535-0213  
Approval Expires: 5/31/2023  
Project Code: 124  
Survey ID: 3838



United States  
Department of  
Agriculture



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

### USDA/NASS

National Operations Division  
9700 Page Avenue, Suite 400  
St. Louis, MO 63132-1547  
Phone: 1-888-424-7828  
Fax: 1-855-415-3687  
Email: [nass@usda.gov](mailto:nass@usda.gov)  
AL, AR, DE, FL, GA, IL, IN, IA, KY, LA,  
MD, MI, MN, MS, MO, NH, NJ, NY, NC,  
OH, PA, SC, TN, VA, WV, WI

Info will be preprinted on  
the questionnaire.

State

XX

Stratum

YYYYY

Segment

000 SSSSSS

Part 1 of 1

County KNOX

**083**

**SURVEY CODE: 4444-5555-6666**



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## INTRODUCTION

[Introduce yourself and ask for the operator. Rephrase in your own words.]

I am working on the June Agricultural Survey. This is a national survey where agricultural producers are asked to provide information on crops and livestock.

The information you provide will be used for statistical purposes only. Your responses 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.

The area of land shown on this photo (map) has been selected for this survey.

[Refer respondent to photo or map. Provide segment boundaries, houses and other identifying landmarks to help the respondent become familiar with the segment.]

1. On June 1, did you live or operate land inside these **red** lines?

☐ **Yes** - [Continue with item 2.]

☐ **No** - [Determine who the tract operators are inside the segment. Thank respondent and conclude interview.]

2. What were the boundaries of land operated inside these **red** lines?

[Verify or draw tract boundaries in blue, then continue with item 3.]



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# Getting the Correct Operator

- Operator:
  - The person responsible for all or most of the day-to-day decisions such as planting, harvesting, feeding, or marketing for the tract or total land operated. The operator could be the owner, hired manager, cash tenant, share tenant or a partnership. If land is rented or worked on shares, the tenant or renter is the operator.



# Getting the Correct Operator

- Rental agreements:
  - Regardless of how rent is paid (free, cash, share of the crop), the person that is renting the land and deciding what is planted is the operator.



# Getting the Correct Operator

- Common problems that have occurred:
  - Name recorded is a landlord
  - Name recorded is retired
  - Missing operation details such as operation name and partners

If we don't get the correct tract operator recorded in June, we're stuck with having the wrong name on the record for an entire year.



# Getting the Correct Operator

- Take time to pre-screen thoroughly:
  - Verify the correct name spellings
  - Record a middle initial
  - Verify addresses and phone numbers
  - Obtain names of partners
    - A partnership is where two or more persons contribute some combination of land, labor, capital, equipment, materials, and management. Each person participates in day-to-day management decisions and shares in profits or losses, but not necessarily on an equal basis.



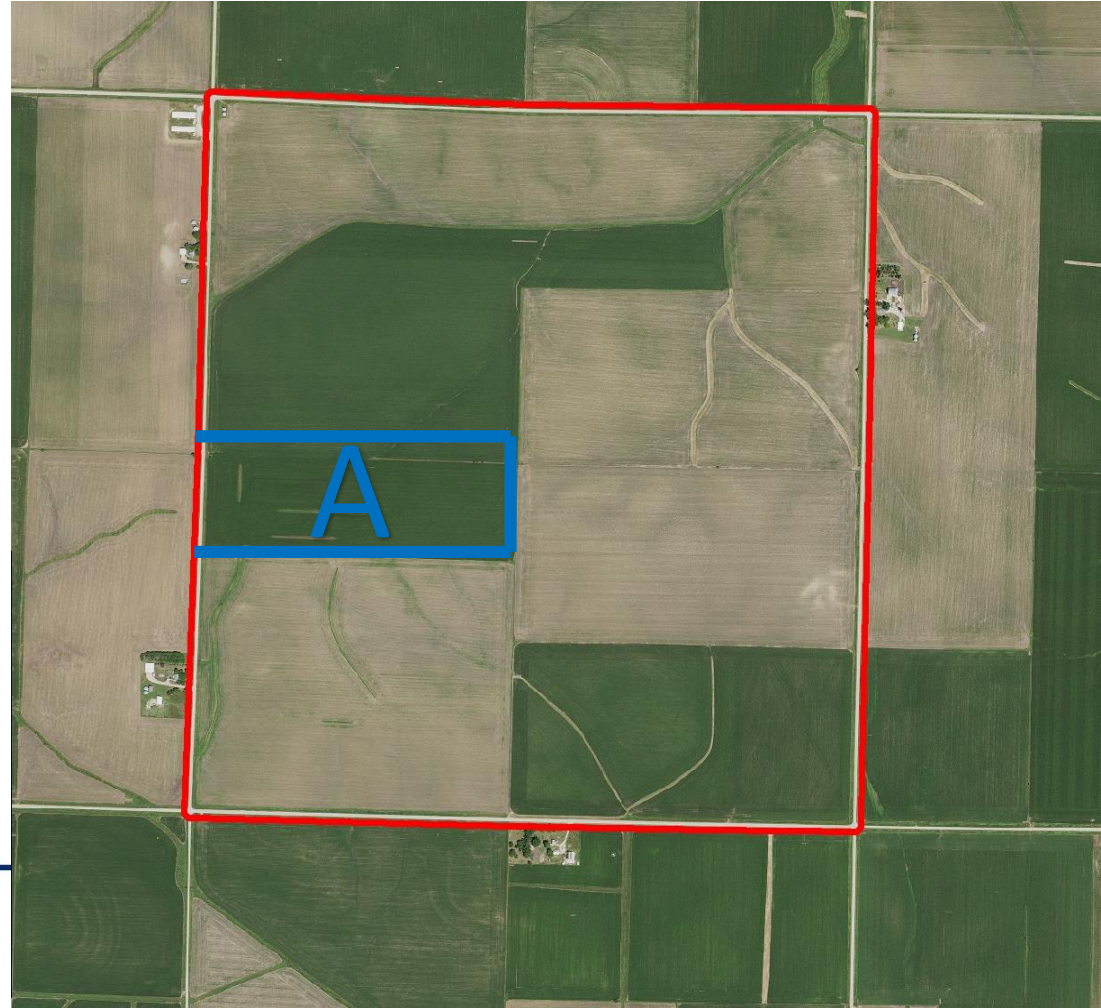
# Getting the Correct Operator

- Sometimes we just don't know.
  - Not everyone can be contacted
  - Errors do happen
  - Operators can refuse or be inaccessible
  - Observations are necessary
  - Special and unique situations arise
  - Good judgement and common sense must be used
  - Do your best with the information you have and make notes



# Assigning Tract Letters

- Once the operator has been identified for a piece of land in the segment:
  - (1) Draw the boundary of the land operated on the segment, on the aerial photo.
  - (2) Assign letters alphabetically, starting with 'A' as you identify operators.



# Assigning Tract Letters

- Once the operator has been identified for a piece of land in the segment:  
 (3) Record the tract letter, operator's name and contact information on the Screening Form.

5	6
TRACT LETTER	Line 1 – Full Name (First, Middle, Last) Line 2 – Mailing Address Line 3 – City, State, ZIP Code Line 4 – Telephone Number
A	Name: Joe Operator <hr/> Address: 111 – 111 <sup>th</sup> St <hr/> Anytown, XX 55555 <hr/> Phone: ( 555 ) 111-1111 <hr/>



# Assigning Tract Letters

- Assign tract letters A, B, C, etc., in order, as you identify operators
- Do not skip any letters
- If all 26 letters are used, start using double letters: AA, BB, CC, etc.
- We cannot have more than 99 tracts in a single segments (Tract UUUU)



# Assigning Tract Letters

- Tract letters that may be confused for others such as
  - N and Z
  - M and W
  - I and HShould be underlined



# Half Acre Rule

- For residential areas, use the Half Acre Rule:

	Visible Ag Activity	No Visible Ag Activity
Half (½) Acre or Less	<ul style="list-style-type: none"><li>• Assign tract letter</li><li>• Complete tract questionnaire</li></ul>	<ul style="list-style-type: none"><li>• Assume non-ag tract</li></ul>
More than Half (1/2) Acre	<ul style="list-style-type: none"><li>• Assign tract letter</li><li>• Complete tract questionnaire</li></ul>	<ul style="list-style-type: none"><li>• Interview operator and complete Screening Form</li></ul>



# Completing the Screening Form

5	6	7	8	9	10	11
<b>T R A C T E R</b>	Line 1 – Full Name (First, Middle, Last) Line 2 – Mailing Address Line 3 – City, State, ZIP Code Line 4 – Telephone Number	Is this tract Public, Industrial, or Grazing Association land used on an AUM basis?	On the total acres operated on June 1, have there been or will there be any crops grown, hay cut, livestock, poultry, honey bees or aquaculture raised this year?	On the total acres operated on June 1, have you sold or will you sell agricultural products or receive government payments this year?	On the total acres operated on June 1, are any crops now in storage or will there be any crops stored before June 1, 2023?	Has this operation owned or raised any hogs or pigs in the past 12 months, or does it expect to own or raise any this year?
<b>A</b>	Name: Joe Operator Address: 111 – 111 <sup>th</sup> St Anytown, XX 55555 Phone: 555-111-1111	<input type="checkbox"/> Yes – Enter acres in col.21 and conclude interview.  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire  <input type="checkbox"/> DK – Go to Questionnaire  <input type="checkbox"/> No



# Completing the Screening Form

12	13	14	15	16	17	18	20	20a	21
Has this operation owned or custom fed any sheep or goats since January 1, or does it expect to own or custom feed any this year?	On June 1, were there any horses, ponies, or other equine, regardless of ownership, on the total acres operated?	<b>Excluding home use</b> , have there been or will there be any vegetables, melons, fruit, nuts or berries grown on this operation this year?	<b>Excluding home use</b> , have there been or will there be any nursery, greenhouse, floriculture, sod, cut Christmas trees or other woody crops grown on this operation this year?	On June 1, did this operation have any idle cropland or more than 99 acres of pasture?	<b>OFFICE</b>	NON-AGRICULTURAL TRACTS			PIGA
						How many acres are inside these red lines?  Enter acres and land use, then continue	Does this tract have potential for agriculture before June 1, 2023?  Enter code	What best describes this non-agricultural tract?  Enter code	Acres of Public, Industrial, or Grazing Association land used on AUM basis.  Enter acres
<input type="checkbox"/> <b>Yes</b> – Go to Questionnaire	<input type="checkbox"/> <b>Yes</b> – Go to Questionnaire	<input type="checkbox"/> <b>Yes</b> – Go to Questionnaire	<input type="checkbox"/> <b>Yes</b> – Go to Questionnaire	<input type="checkbox"/> <b>Yes</b> – Go to Questionnaire	<b>00</b>	846	818	783	849
<input type="checkbox"/> <b>DK</b> – Go to Questionnaire	<input type="checkbox"/> <b>DK</b> – Go to Questionnaire	<input type="checkbox"/> <b>DK</b> – Go to Questionnaire	<input type="checkbox"/> <b>DK</b> – Go to Questionnaire	<input type="checkbox"/> <b>DK</b> – Go to Questionnaire		LAND USE	<input type="checkbox"/> <b>YES</b> = 1 <input type="checkbox"/> <b>DK</b> = 2 <input type="checkbox"/> <b>NO</b> = 3		
<input type="checkbox"/> <b>No</b>	<input type="checkbox"/> <b>No</b>	<input type="checkbox"/> <b>No</b>	<input type="checkbox"/> <b>No</b>	<input type="checkbox"/> <b>No</b>					



# Completing the Screening Form

- Column 20 – Does this tract have potential for agriculture?
- Consider:
  - Ask respondent if they **intend** to have agriculture in the next year. **If** no respondent is available, use your best judgment.
  - Could a crop be seeded without having to improve or clear the land?
  - Is there a greenhouse or grain storage bin on the property?
  - Is there a fenced pasture, barn, pen, hog building, chicken house, or any other sign of potential for livestock?
  - Non-Ag Tracts coded to have a potential for agriculture **MOST LIKELY** will be sampled for all follow-on surveys such as the Ag Survey, Cattle, Sheep, Hogs, and Labor



# Completing the Screening Form

20a
What best describes this non-agricultural tract?
Enter code
783

Codes to be used in Column 20a are:
(1) Residential
(2) Woods
(3) Idle Open Land
(4) Pasture
(5) Water
(6) Reported Non-Ag by Respondent
(7) Vacant Houses
(8) Obvious Non-Ag
(9) Grassland
(10) Hunting Preserve or Private Land Managed for Wildlife
(11) Government Land
(12) Other



# Completing the Screening Form

[Complete these items when enumeration of segment is completed.]

1. Total tract letters listed in **Column 5, page 2** (sum of all Screening Forms for this segment).....

2. Number of **tract letters** listed **on photo** or map.....

(Item 1 must equal item 2.)

---

3. Number of **Area Version** questionnaires completed.....

4. Number of tracts with acreage listed in **Column 18, page 3**..... +

5. Number of tracts with acreage listed in **Column 21, page 3**..... +

6. Total of items 3 + 4 + 5..... =

(Item 6 must equal items 1 and 2.)

**Workshe**

Ag Tract Acres	Non-Ag Tract Acres	PIGA Tract Acres





	Line 4 – Telephone Number	poultry, honey bees or aquaculture raised this year?	government payments this year?
A	Name: Joe Operator Address: 111 – 111 <sup>th</sup> St Anytown, XX 55555 Phone: 555-111-1111	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No
B	Name: Wayne Farmer Address: 112 Main St Anytown, XX 55555 Phone: 555- 222 2222	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No
C	Name: Sally Rancher Address: 456 112 <sup>th</sup> St Anytown, XX 55555 Phone: 555-444-4444	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No
D	Name: John Farmer Address: 789 Main St Anytown, XX 55555 Phone: 555-111-3333	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No
E	Name: Bob Builder Address: 123 – 111 <sup>th</sup> St Anytown, XX 5555 Phone: 555-555-1111	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No	<input type="checkbox"/> Yes – Go to Questionnaire <input type="checkbox"/> DK – Go to Questionnaire <input type="checkbox"/> No



# Completing the Screening Form

- Special Situations
  - Federal Public Land (Forest Service)
  - Non-Federal Public Land
  - Industrial Land
  - Grazing Associations
  - Institutional Farms
  - Ag Businesses
  - Out-of-state operations
  - Boundaries of segment not identifiable.
  - Boundaries of segment on aerial photo and county map do not agree.
  - Segment boundaries extend into a neighboring state/county
  - Segment boundary cuts through a field.

If you have questions, review the Interviewer's Manual  
or reach out to your supervisor.

Thank you for all that you do!



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# Reviewing your Photos and Using June Area Acreage Grid



John Miyares  
Great Lakes Region



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# Review the Aerial Photo

## BEFORE SHIPPING YOUR PHOTOS BACK:

- Look for blank unlabeled areas on photo
- Check the Photo Against the Screening Form AND what is in CAPI
  - Find each tract letter
  - Check that ambiguous tract letters are underlined  
N, Z, M, W, I, H.
- Compare total tract sizes

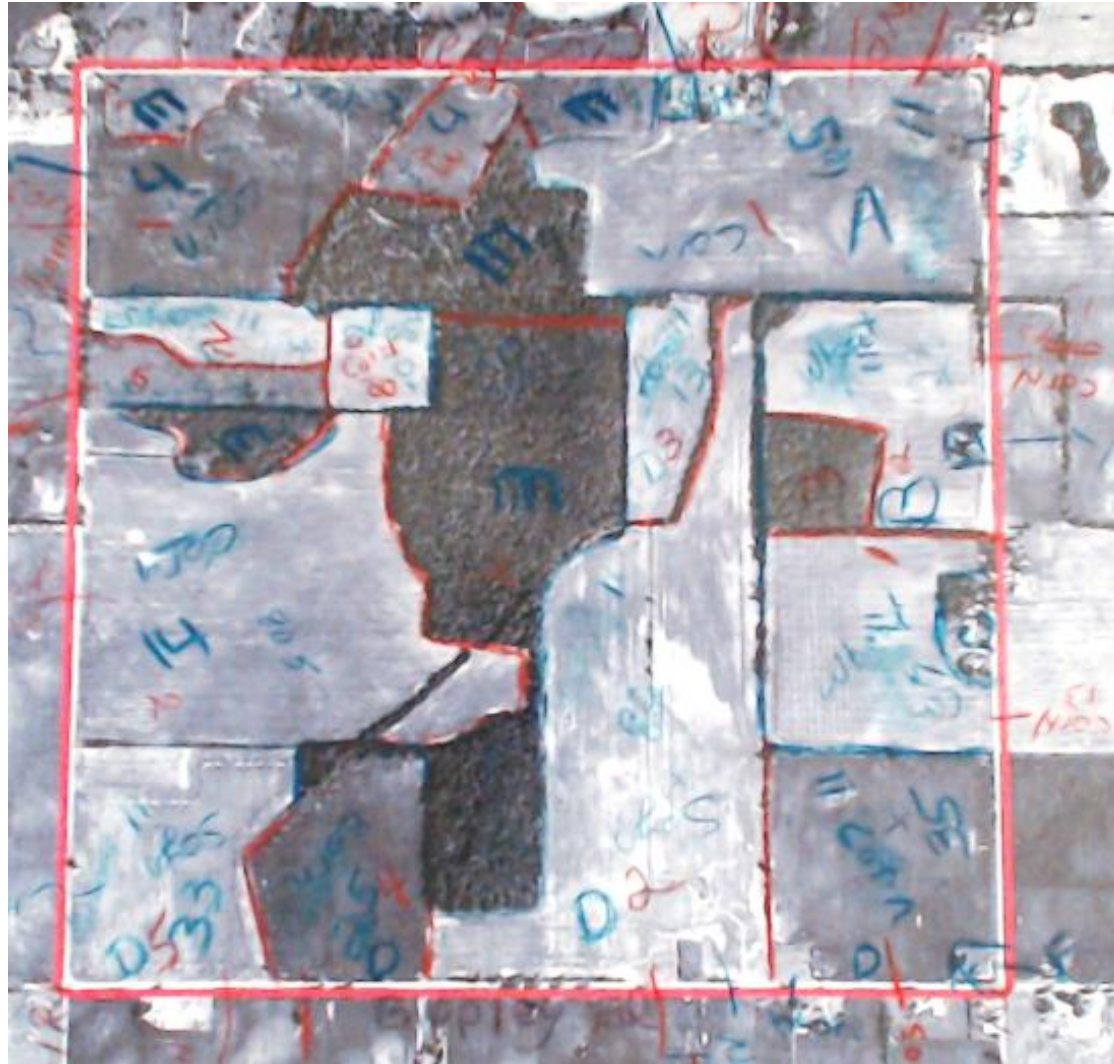


# The Aerial Photos 5 C's

1. **Complete:** All Land is accounted for
2. **Clear:**
  - ✓ No erroneous information
  - ✓ Letters are in one direction with North facing up
3. **Correspond:**
  - ✓ Tract letters match the screening form
  - ✓ Tract letters match what is in CAPI
4. **Correct:**
  - ✓ Lines are in correct location
  - ✓ Correct colors – Segments are red, Tracts are blue.
5. **Confidential:**
  - ✓ Absolutely no names should ever be written on the aerial photo



It should NOT look like this:



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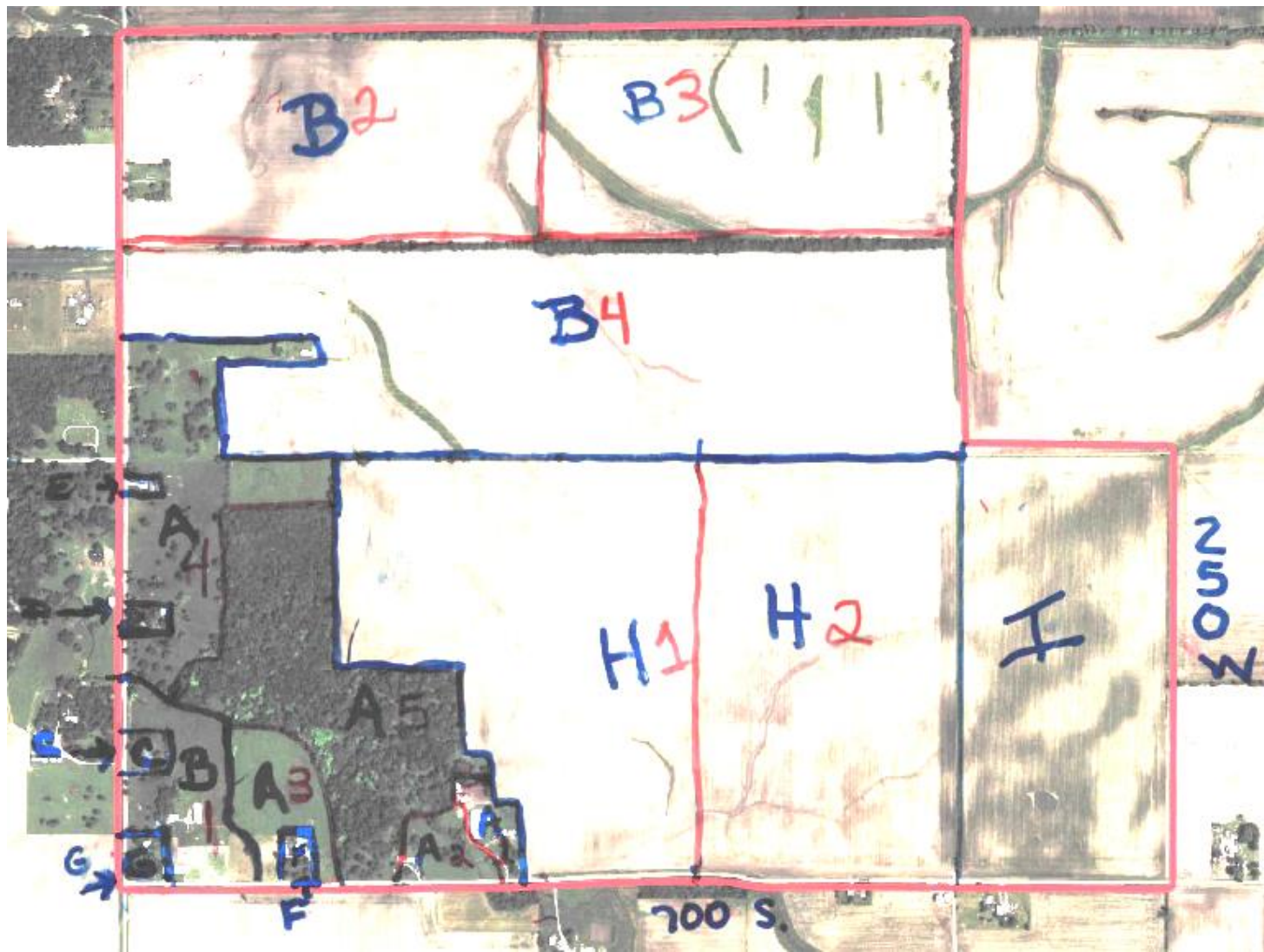
This is CORRECT:



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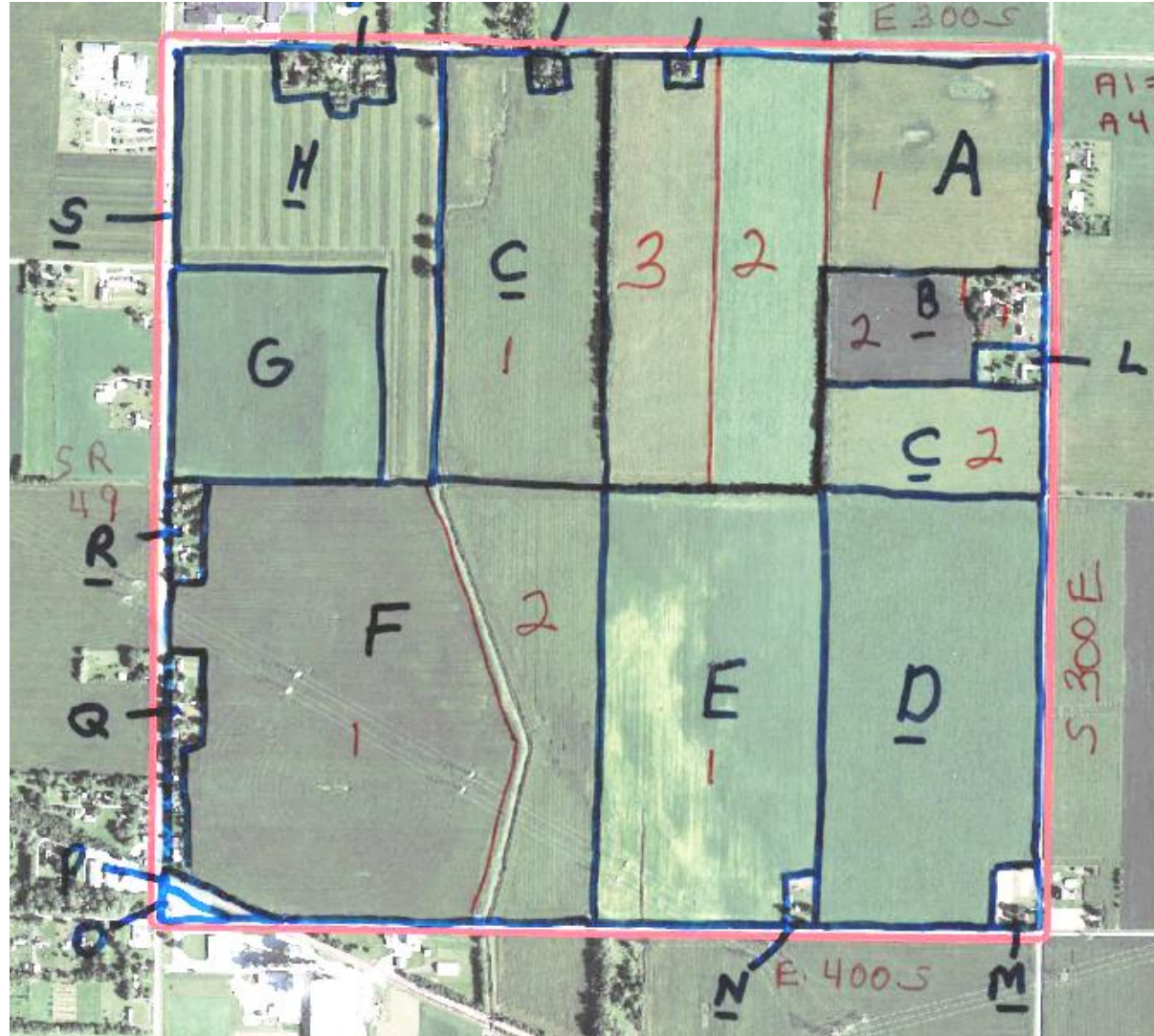
# This COULD be Better:



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This is CORRECT:



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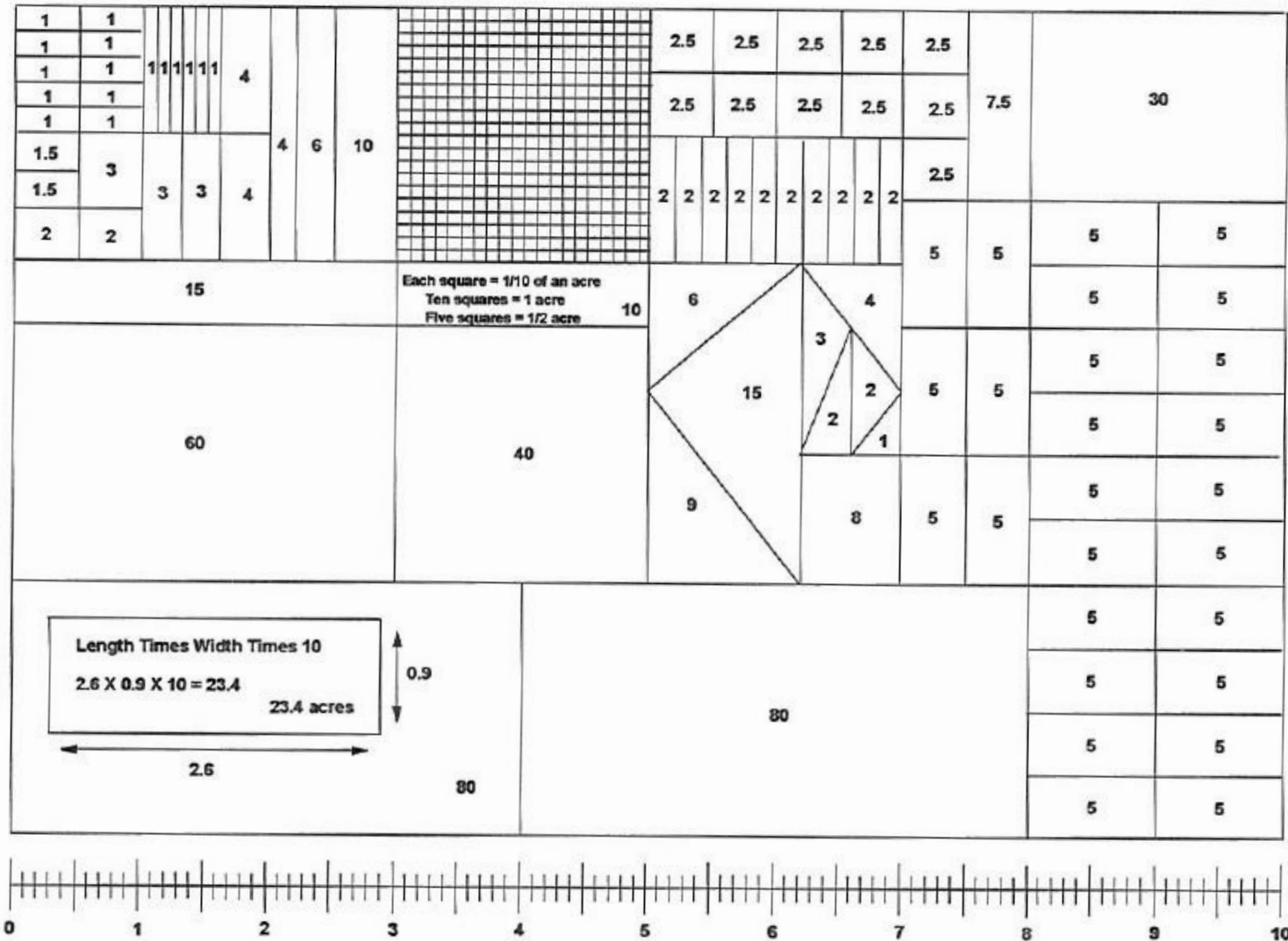


# Acreage Grid

- When to use it
  - If acreage is unknown
    - Refusals and Inaccessibles
    - Non-Ag Tracts
    - Woods and Waste
  - To verify land totals
    - Digitized acres
    - Field Acres to sum of Tract Acres
    - Tract Acres to sum of Segment Acres



# Acreage Grid



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# Acreage Grid

- How to use it
  - Template method
    - Place grid over the area
    - Acres = sum of the covered squares
  - Ruler method
    - Measure the length and width
      - Acres = Length X Width X 10
    - Triangles with a right angle
      - Acres =  $\frac{1}{2}$  (horizontal base X vertical height X 10)



# Template Method

Place the acreage grid on top of the aerial photo

Try to find a shape that matches the field



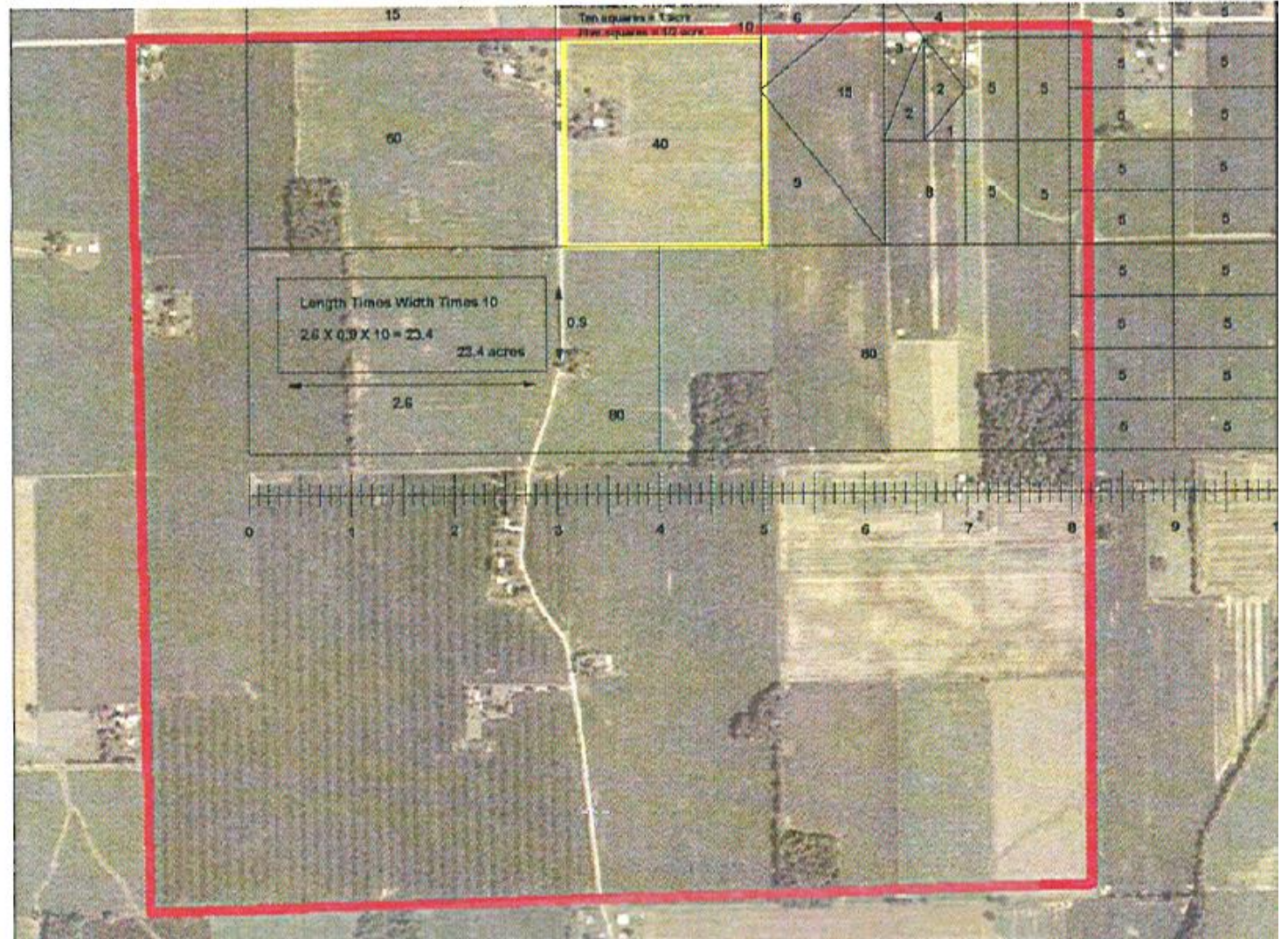
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# Template Method

The square with 40 in it matches

So that means there are 40 acres in that field

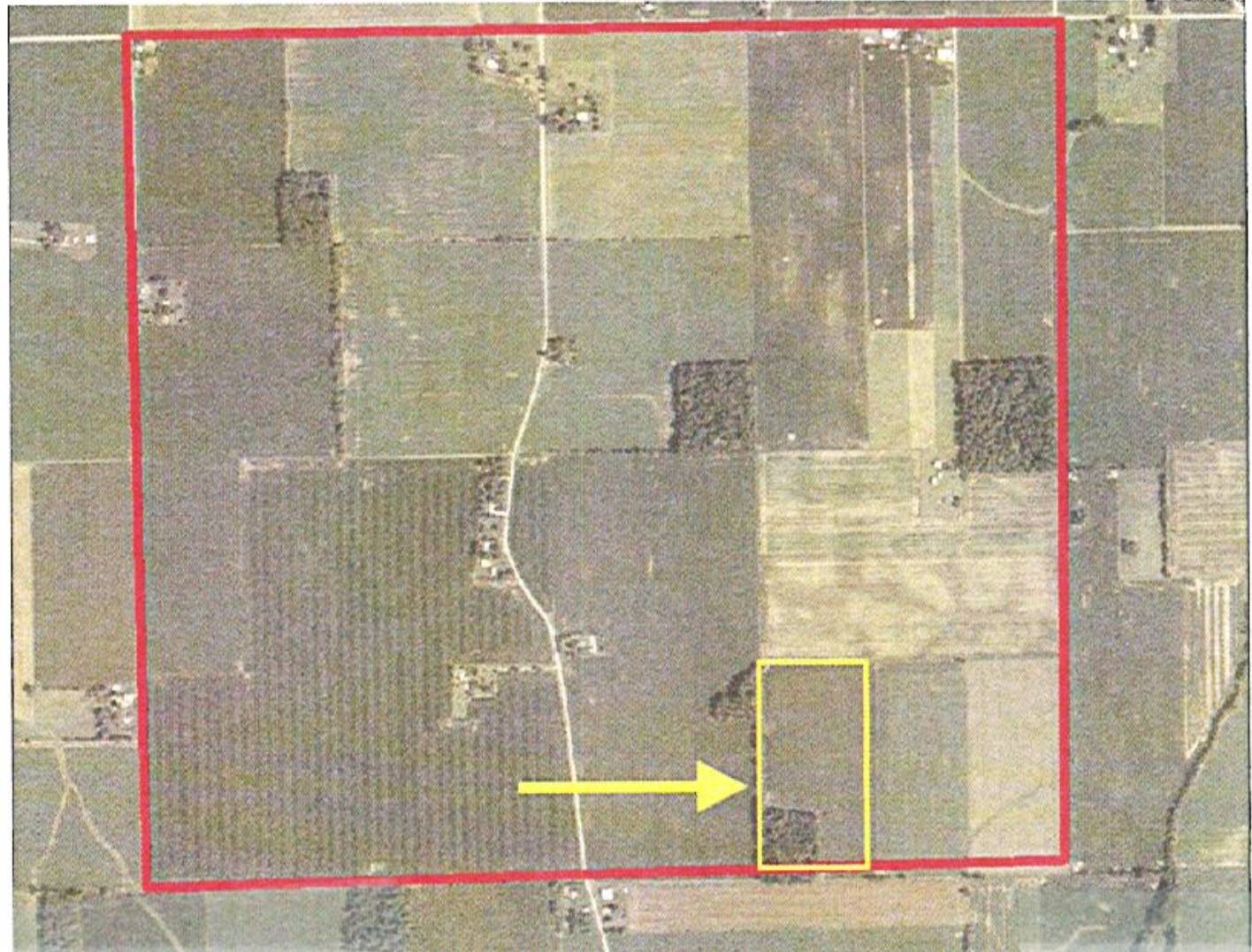


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# Template Method

You may not find an exact square to match the field, but you can still use the template method



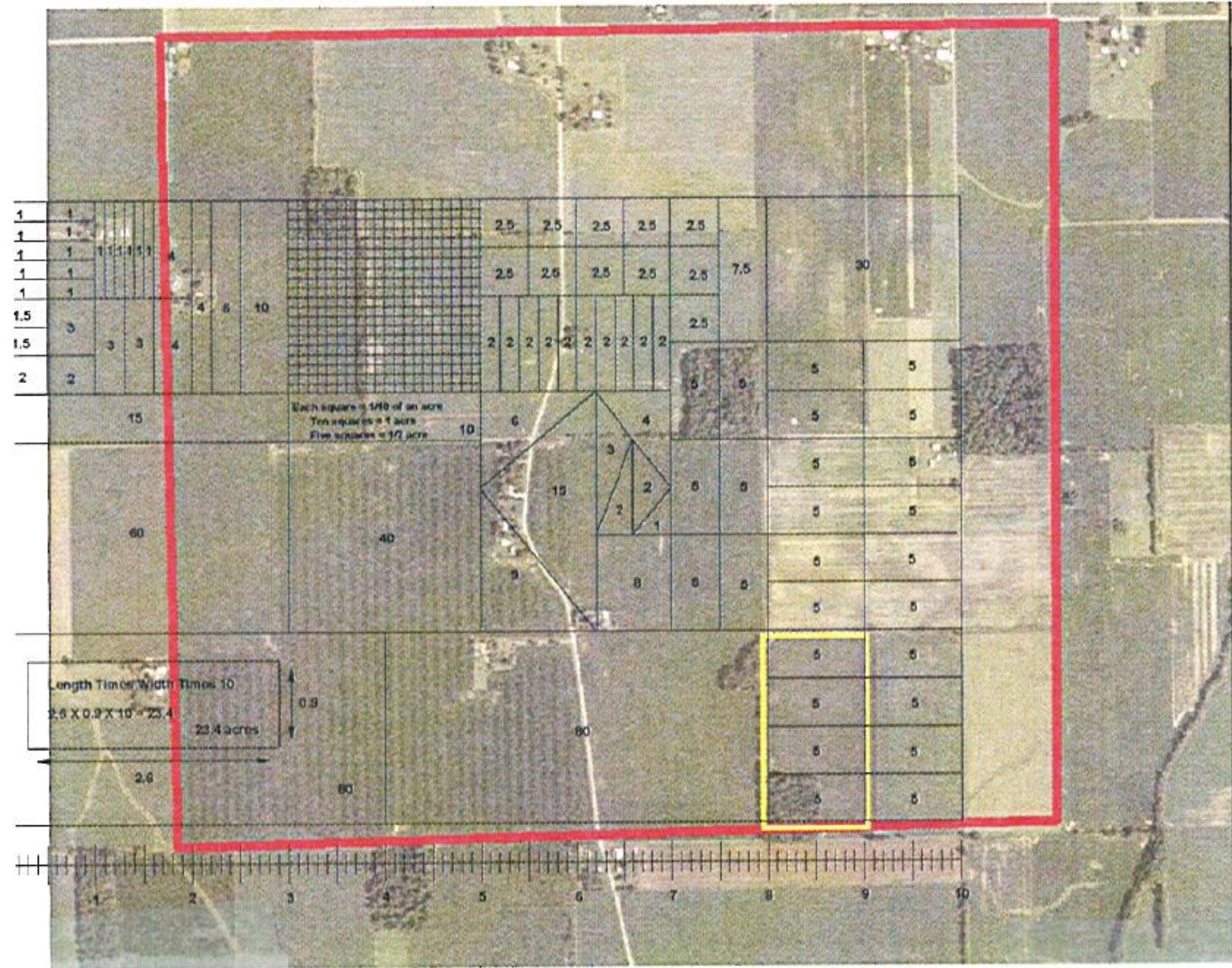
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# Template Method

Place these 5 acre boxes over the field

Add them up to find that there are 20 acres in this field



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# Template Method

Use the 1/10 of an acre boxes for small odd shaped fields

Count the number of squares

200 squares = 20 acres

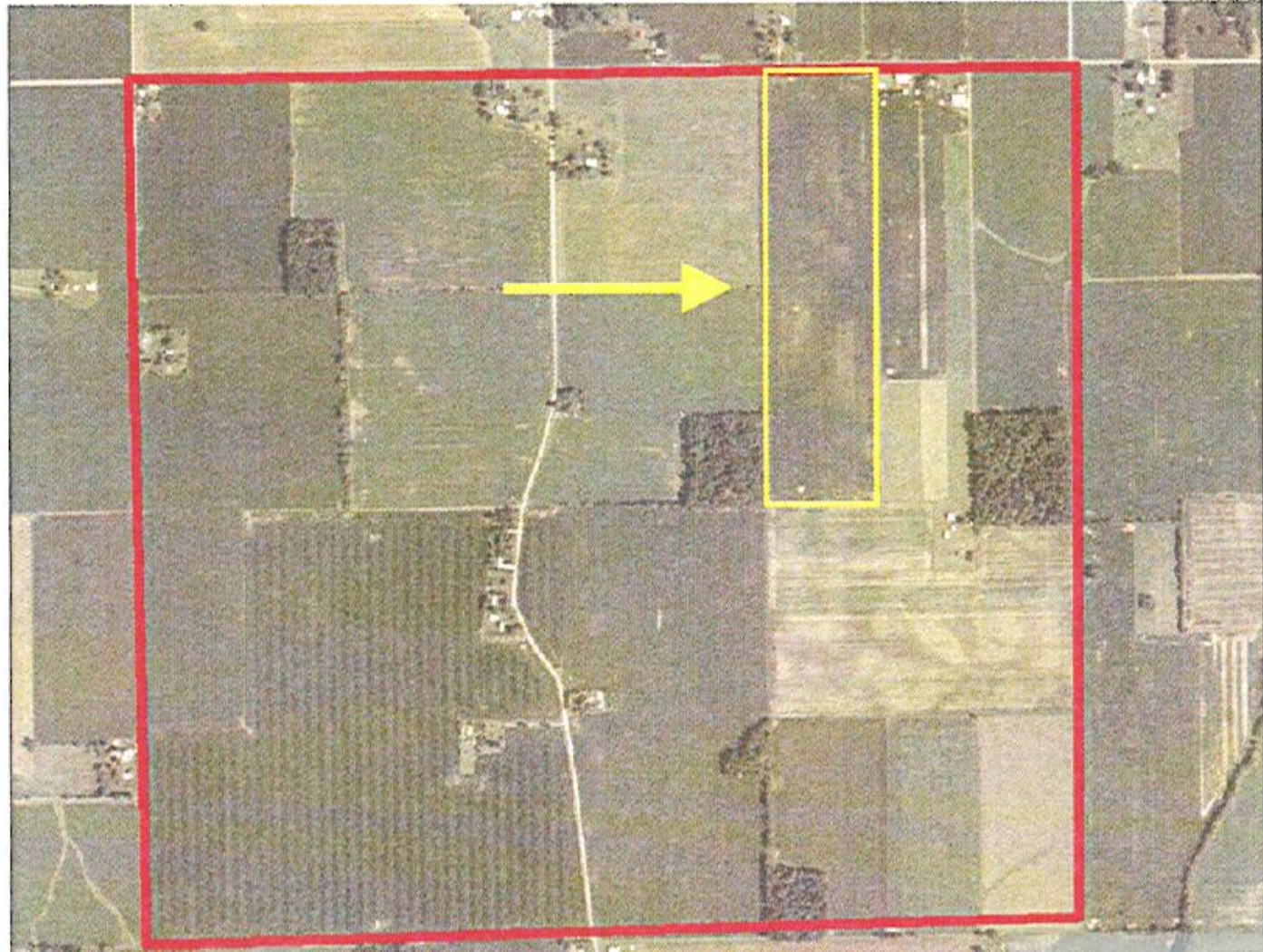


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# Ruler Method

The ruler method works better for large rectangular fields

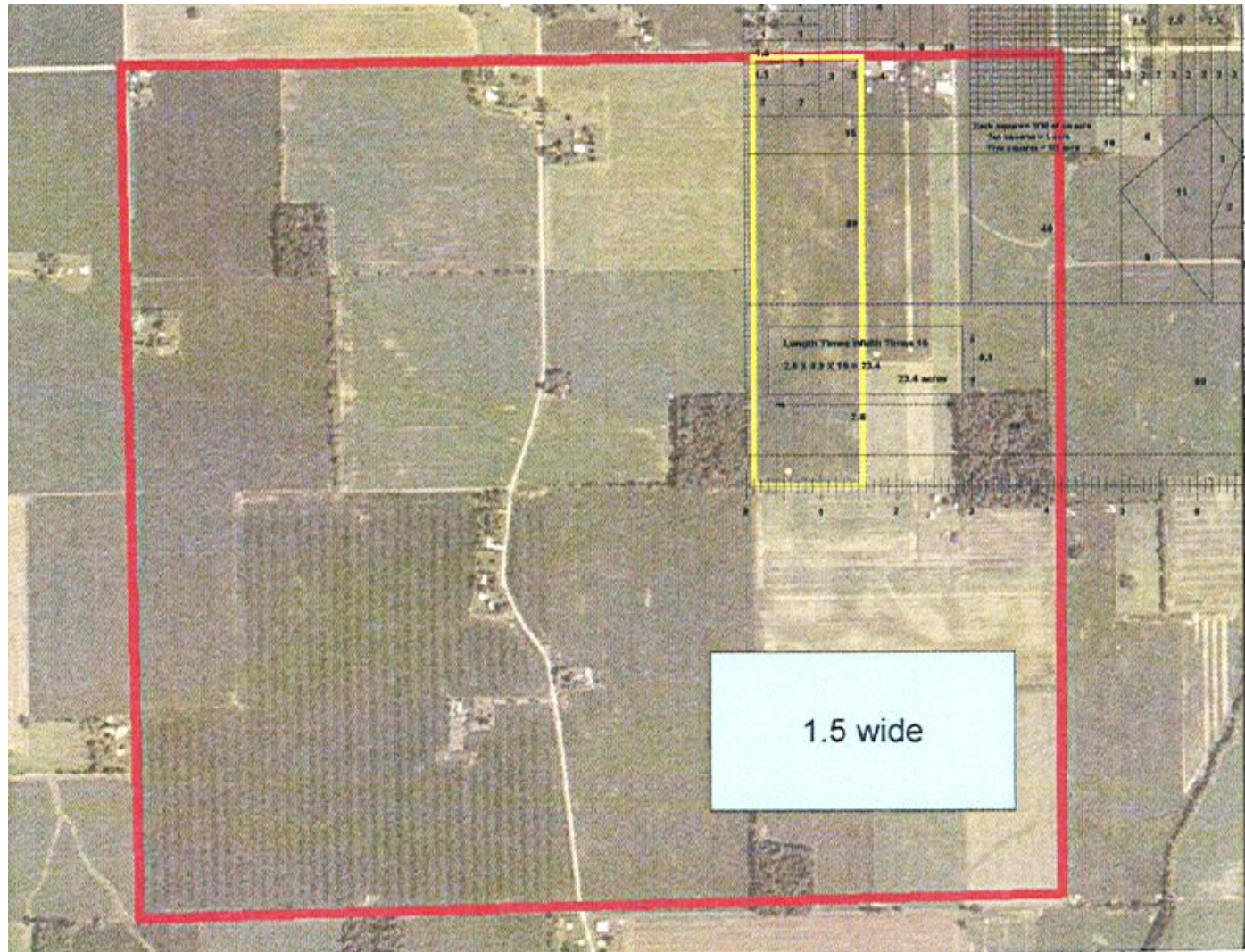


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# Ruler Method

Use the ruler on the bottom of the grid to see the width of the field is 1.5 inches

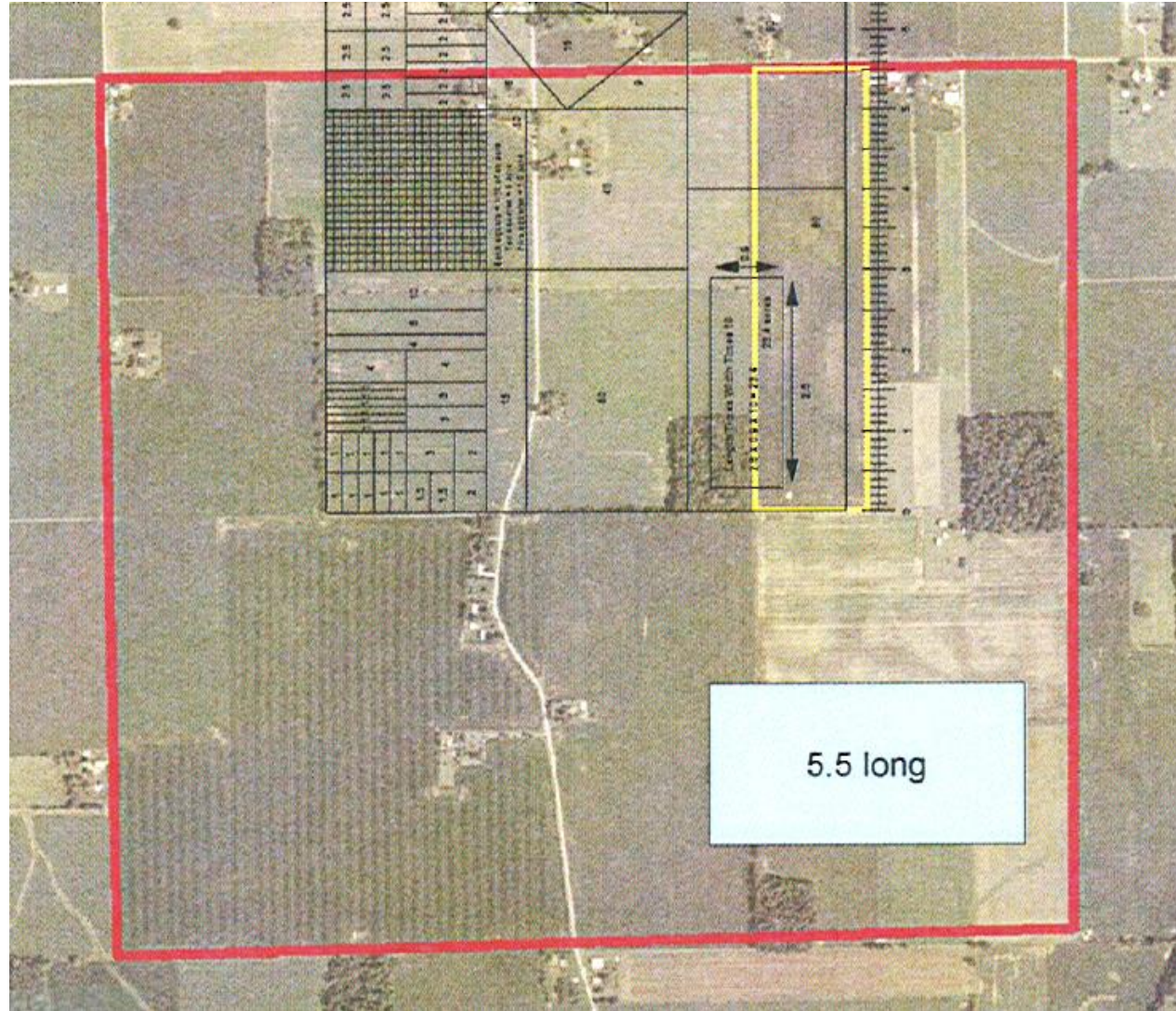


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# Ruler Method

Move the ruler vertically to see that the length of the field is 5.5 inches

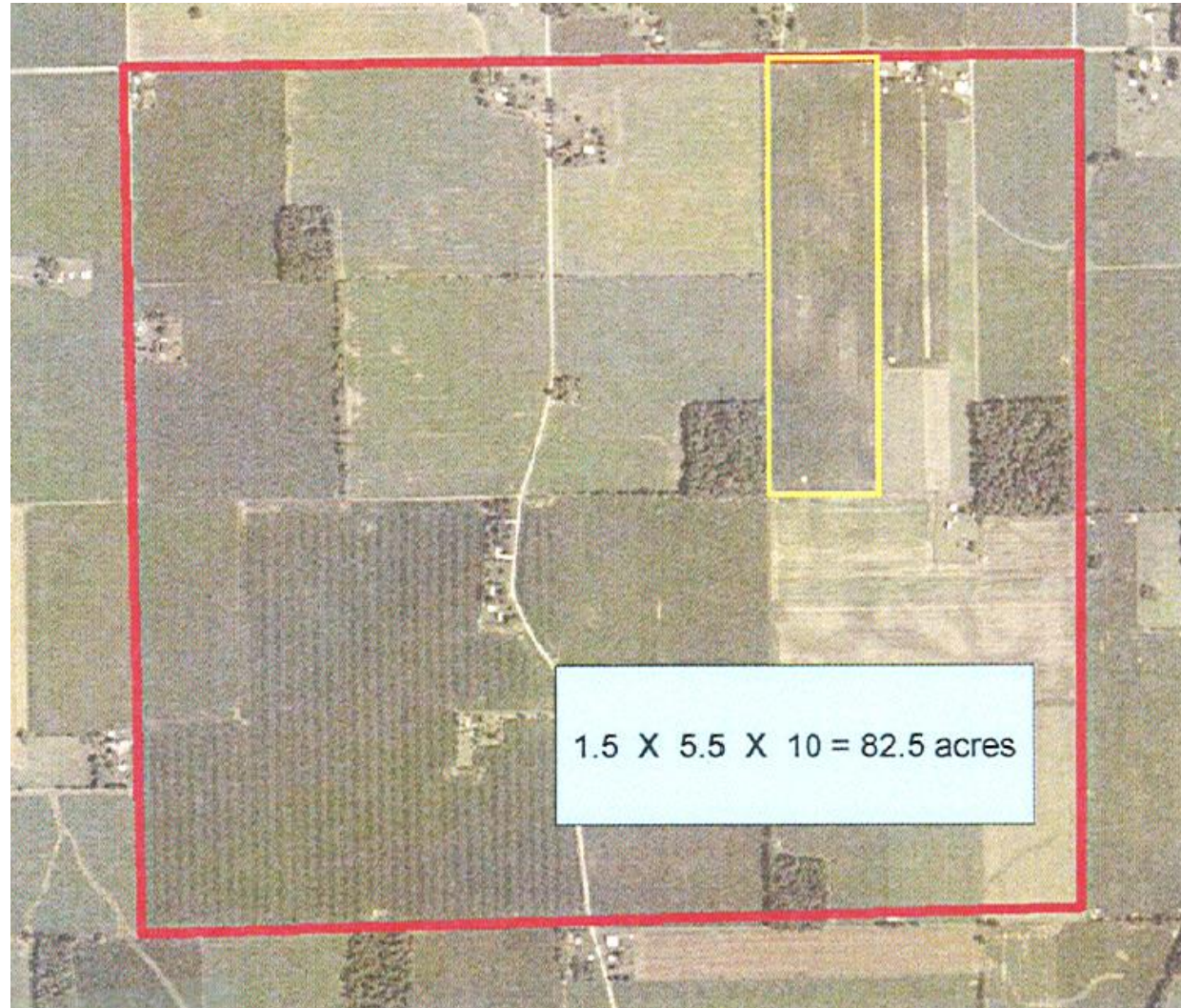


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# Ruler Method

Multiply the length times width times 10 to find 82.5 acres in field



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# Demonstration



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# Reviewing your Photos and Using June Area Acreage Grid



Thanks For Watching!



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# Agricultural Coverage Evaluation Survey (ACES)

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**Madisyn Beyer**  
Northwest Regional Field Office



**United States Department of Agriculture**  
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# Objectives

- Provide an overview of ACES.
- Explain how information from ACES and June Area survey segments will be used for the Census of Agriculture.
- Describe differences between ACES and June Area survey.
- Review survey timeline.



# Purpose

- Measure the accuracy and completeness of the Census of Agriculture farm counts and selected farm characteristics.
- ACES segments are used to improve targets for hard-to-find populations.
- Helps measure:
  - Undercount of farms not on the Census Mail List (CML).
  - Undercount of farms incorrectly classified as non farms.
  - Overcount of farms duplicated in the census.
  - Overcount of non farms incorrectly classified as farms.



# ACES

vs.

# June Area

- Conducted once every 5 years
- Re-using 2017 segments + new 2021 segments
- Not summarized to support Estimating Program
- Includes Hawaii and Puerto Rico

- Conducted annually
- Have a 20 to 25% rotation of new segments annually
- Summarized to support the Estimating Program
- Excludes Hawaii and Puerto Rico

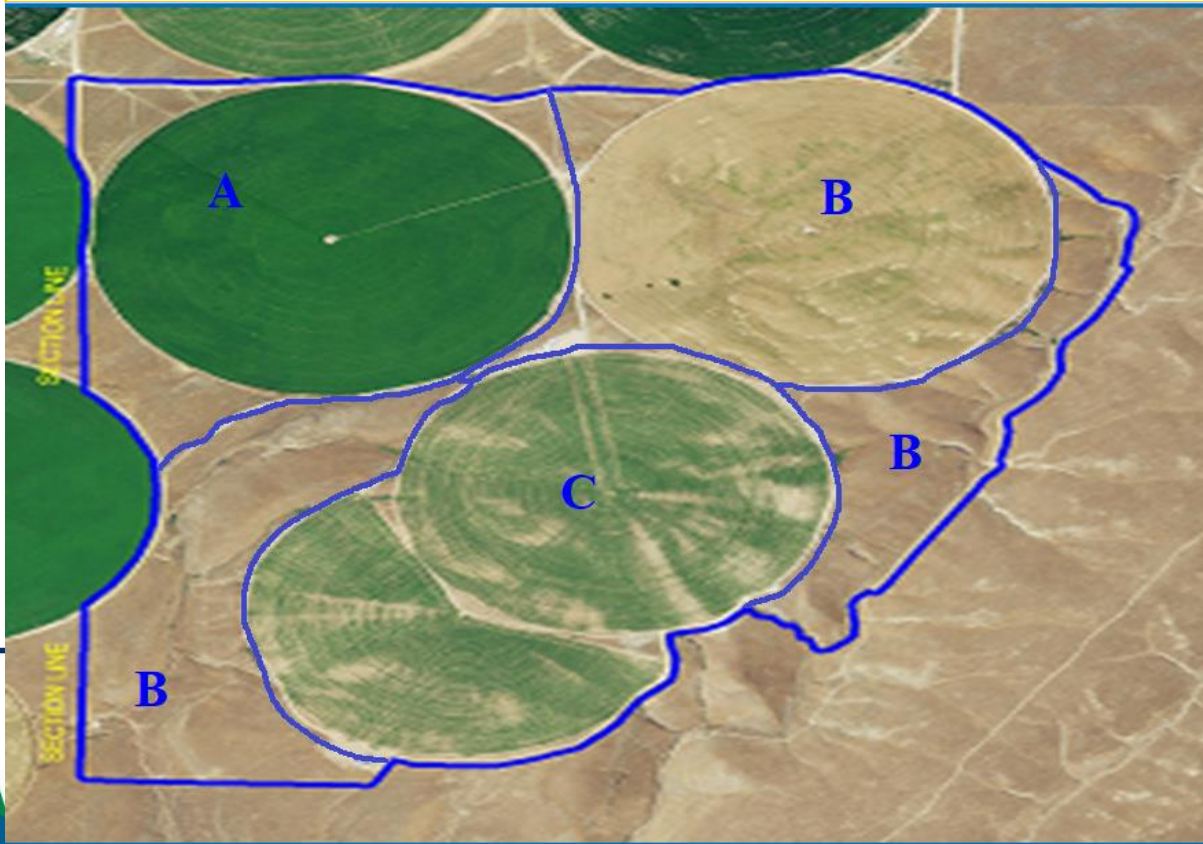


# ACES

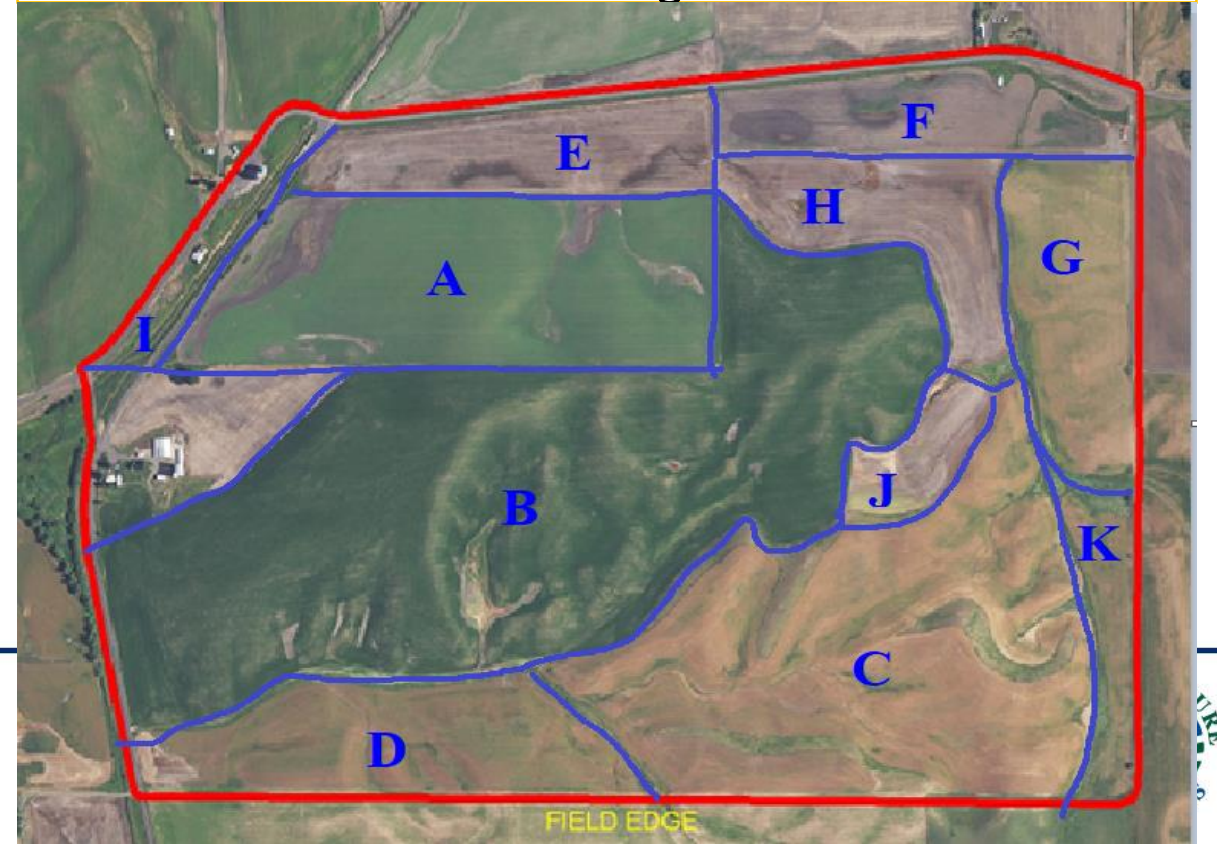
vs.

# June Area

- Photo Map segment outline= **BLUE**
- Tract boundaries and letters= **BLUE**
- Fields Section D= Not needed.



- Photo Map segment outline= **RED**
- Tract boundaries and letters= **BLUE**
- Fields Section D= No longer needed.



# Screening Form:

- Same version for ACES and June Area.
- ACES screening form is on **WHITE** paper.
- June Area screening form is on **PINK** paper.
- Complete Names and Addresses are very important.
- All tracts (ag and non-ag), are included in the mail list for the Census of Agriculture.



# Tract Questionnaire:

- ACES = Condensed Version (12 pgs.) on **BUFF** paper.
- June Area = Standard Questionnaire (24 pgs.) on **WHITE** paper.
- Neither require field level data in section D.
  - No need to draw off the fields within a tract.



# Questionnaire Section Differences

- Section D – Crops and Land Use on Tract
  - *June Area*: Regular crop and land questions, varies by state version.
  - *ACES*: Only two questions- acres in tract, farmstead/dwelling in tract, if so acres in farmstead/dwelling.
- Section E shorter for ACES. Focus is on acres operated.
- Sections F through M are not included on ACES.
- Section N - Farm Level Items will be asked for all tracts on ACES & June Area.
  - Set up this way every five years in preparation for the Census of Agriculture.



# Interviewer's Manual

## ➤ Appendix A

- Included every five years specifically for ACES.
- Provides background and purpose on ACES.
- Documents standard procedures for completing the ACES tract questionnaire.



# ACES Timeline

ACES Activities	Dates
Prescreening – Wave 1 <i>(Reusing segments from 2017 from all states in ACES)</i>	March 21 - April 20
Data Collection – Wave 1	May 21 – July 14
Prescreening & Data Collection – Wave 2 <i>(New segments for TX, MO, OH, and PR)</i>	May 21 – July 14
Prescreening & Data Collection – Wave 3 <i>(All remaining new segments)</i>	June 20 to July 14
All data submitted in CAPI	Follow your region's survey dates
<b>Project Code=655 (For Prescreening and Data Collection)</b>	

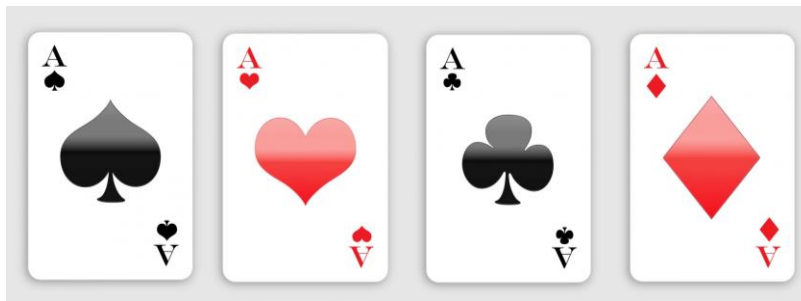


# Take Away Notes

- Important: Collect as many names, addresses, and phone numbers during pre-screening of both ACES and June Area tracts, especially the non-ag tracts.
  - Provides higher matching accuracy for Census Mail List.
  - Aids in identifying Census Mail List under coverage.
  - More likely to find smaller crop and livestock farms.
- Survey materials and timelines have differences.
  - Pay close attention to the form color and version.
  - Both surveys are submitted in CAPI.
  - ACES timeline extends through mid-July.



**This concludes the ACES training.  
Thank you!**



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