

NASS Survey Training

June Area Introduction and Purpose



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United States Department of Agriculture
National Agricultural Statistics Service



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

20xx 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	785
No Change = 3	



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



The List Sampling Frame (LSF)

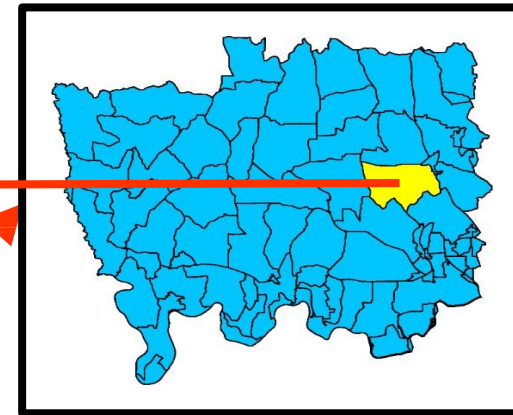
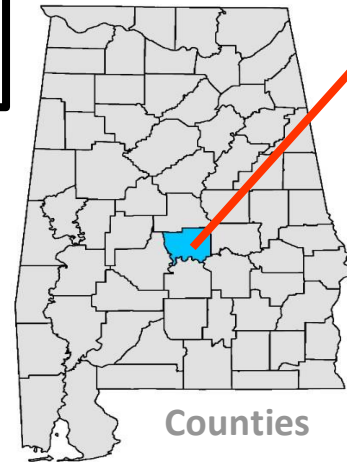
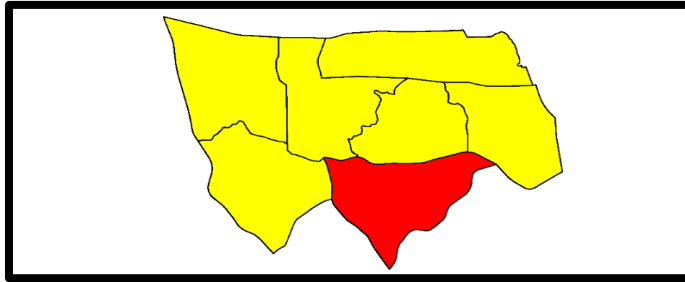
- Biggest challenges to the List are that:
 - Incomplete
 - Constantly changing
 - Requires ongoing maintenance
 - Expensive to maintain



Segments, Tracts and the Area Frame

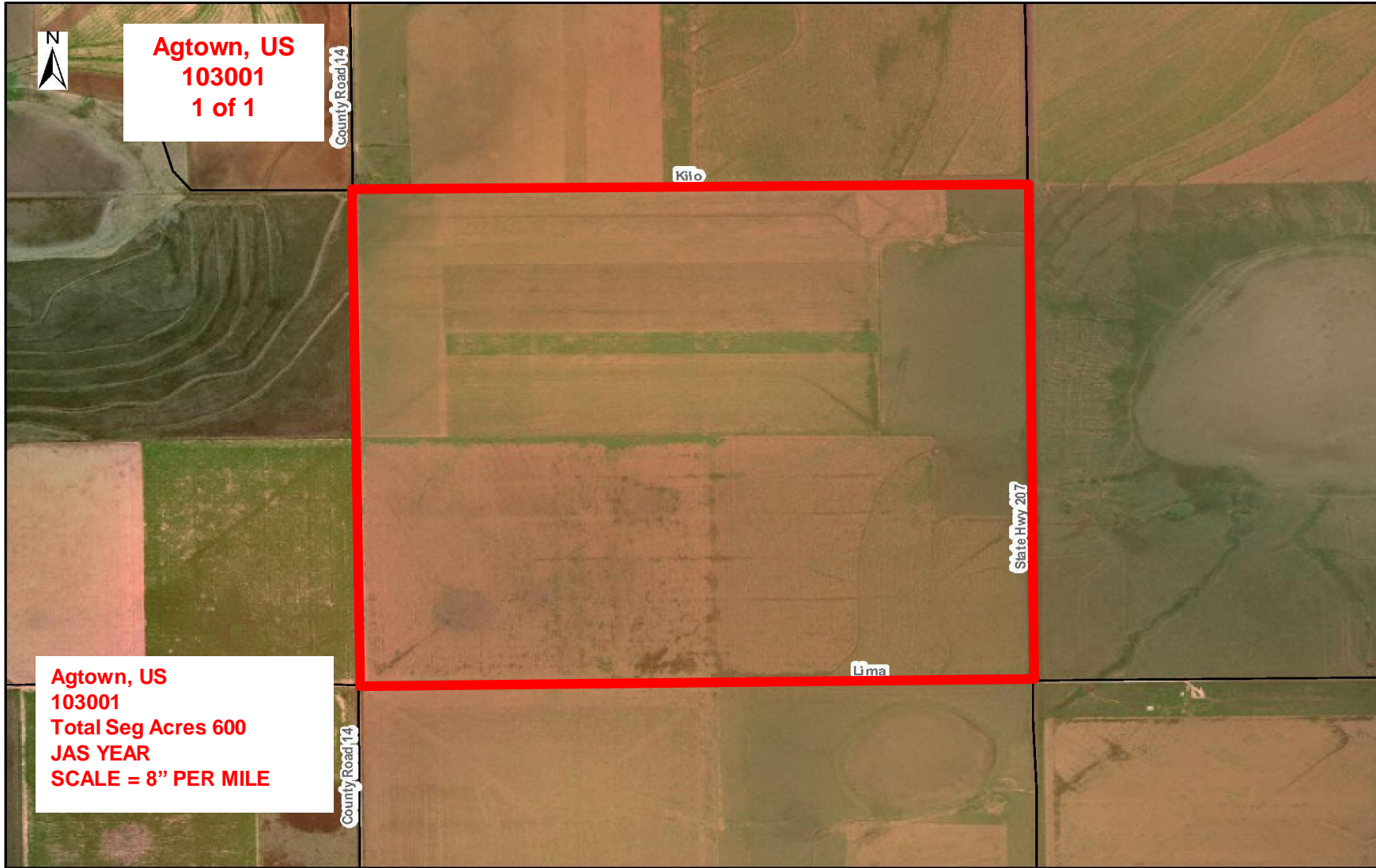
The June Area Survey is different as we're sampling plots of land and analyzing the land use.

Break selected PSU down into sampling units



Select PSU's





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Segments, Tracts and the Area Frame

Biggest Challenges to Area Frame Enumeration:

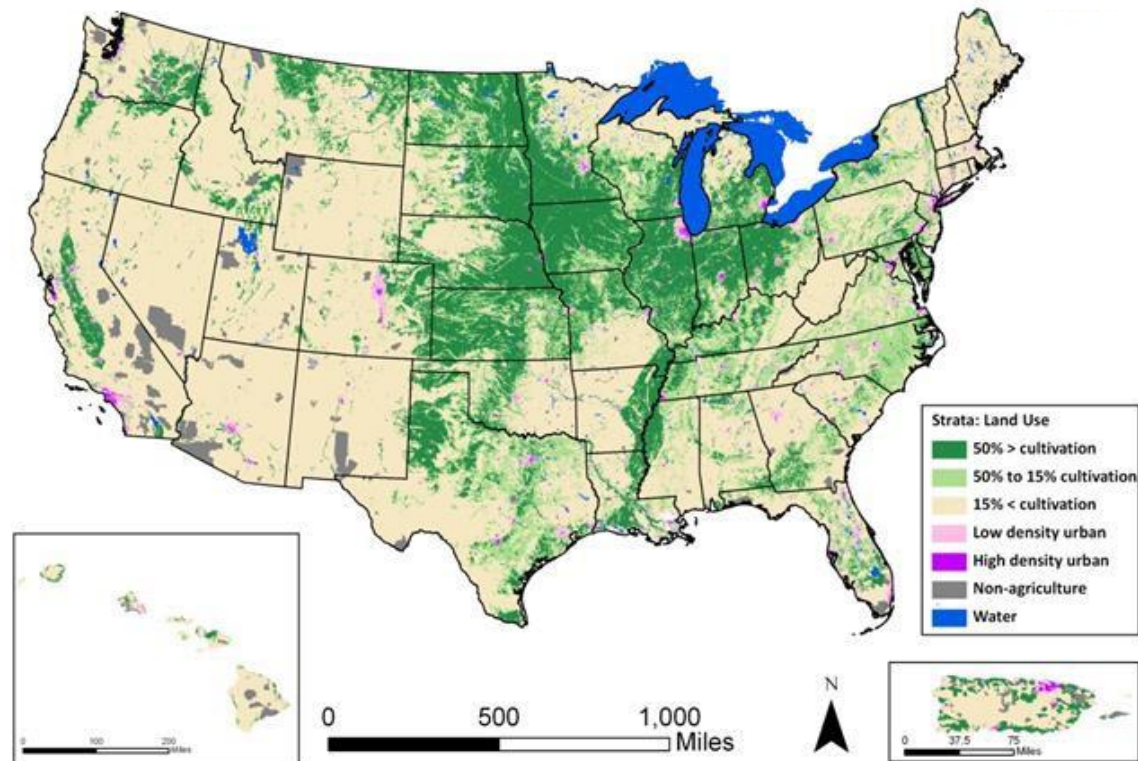
- Enumeration is very expensive
- Difficult to sample for specialty crops
- Lack of good boundaries



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.

National Agricultural Statistics Service
Land Use Area Frame



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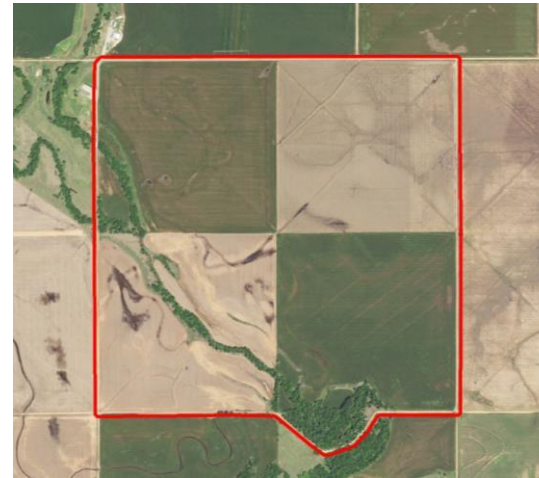
Segments, Tracts and the Area Frame

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

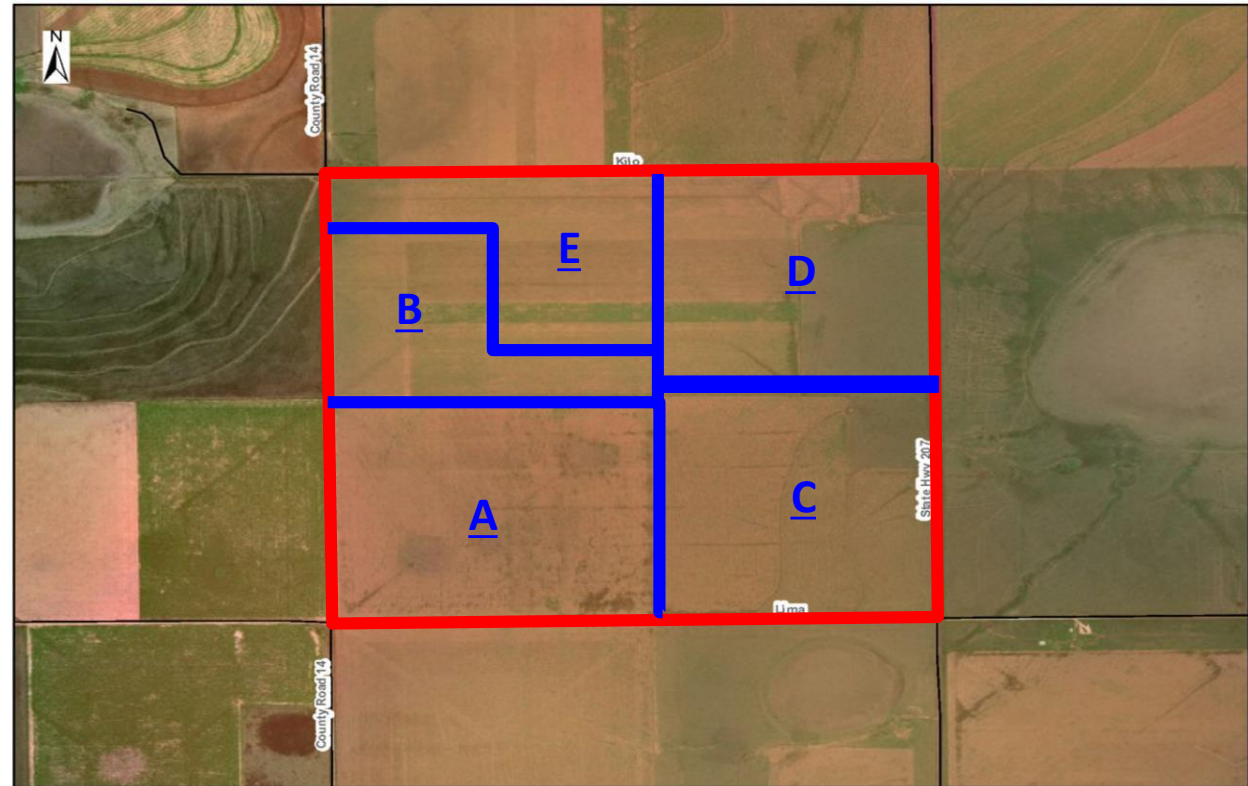


Alfalfa, OK
101067
1 of 1



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**.



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%).

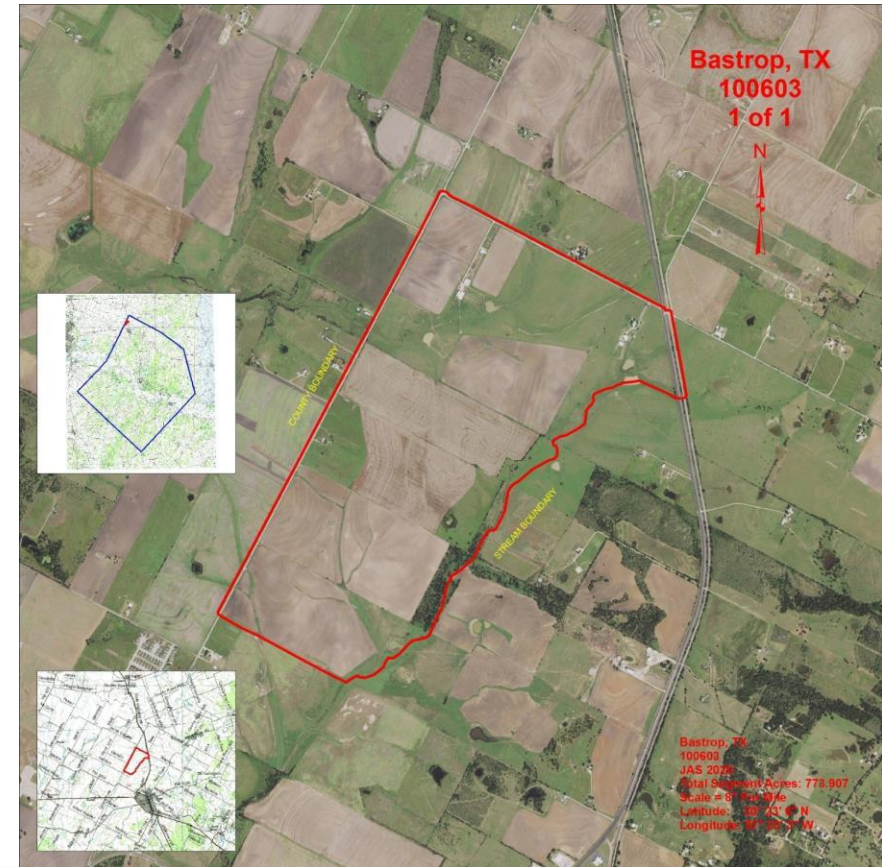
An **Agricultural Tract** is any operating arrangement with land in the segment boundary that has the potential to qualify as a farm.



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

USDA NEWS RELEASE
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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:

