

AGRICULTURAL RESOURCE MANAGEMENT SURVEY  
PHASE II  
COTTON PRODUCTION PRACTICES and COST REPORT  
RESPONDENT BOOKLET



2015



Dear Producer,

Every year, the U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) conducts the Agricultural Resource Management Survey (ARMS). The survey gathers information on production practices for different commodities each year. In 2015, ARMS focuses on U.S. soybeans, wheat, oats, and cotton production and or cost practices.

The interviewer will ask you to report your nutrient or fertilizer use and your pest management practices. The results of this survey will help agricultural leaders and decision-makers better understand how producers cope with risk, adapt to policy changes, and make decisions about chemical use, new technologies and many other aspects of farming.

Your participation is important. By responding to this survey not only can you help ensure that decisions impacting the production practices and well-being of farms are based on accurate, timely information, you also represent and give voice to thousands of farmers like you across the nation.

As with all our surveys, NASS safeguards the privacy of all respondents, ensuring that no individual respondent or operation can be identified. Be assured that your responses to ARMS will be kept **confidential**, as required by federal law.

Thank you in advance for investing in the future of U.S. agriculture. You are helping to ensure that decisions affecting you, your family, your business and your community are based on the facts.

Sincerely,

A handwritten signature in cursive script that reads "James M. Harris".

Mark Harris  
Chair, Agricultural Statistics Board  
U.S. Department of Agriculture  
National Agricultural Statistics Service

Enclosures

## SEED TREATMENT PRODUCTS CODE LIST

Section B, Item 21

100 Acceleron	104 Apron	108 Avicta Complete	112 Gaucho Grande
101 Acceleron I	105 Cruiser	109 Aeris	113 Genero
102 Acceleron FI	106 Cruiser Dynasty	110 Aeris + Trilex Advanced	999 Other
103 Acceleron N	107 Avicta	111 Gaucho	3 Seed was not treated

## FEDERAL CROP INSURANCE COVERAGE

Section B, Item 39a

- 1 **Federal CAT** (Basic Catastrophic Insurance) bought for a flat fee and protects against crop loss greater than 50% of average yield, at 55% of the price.
- 2 **Stacked Income Protection Plan (STAX) only**
- 3 **Yield protection**
- 4 **Yield plus STAX**
- 5 **Yield plus SCO (supplemental coverage option)**
- 6 **Revenue protection**
- 7 **Revenue plus STAX**
- 8 **Revenue plus SCO (supplemental coverage option)**
- 9 **Other Federal Crop Insurance** (Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.).

## FERTILIZER/PESTICIDE APPLICATION METHODS

Section C, Column 6

And Section D, 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 Chisel/Injected or knifed in
- 7 Banded in or over row
- 8 Foliar or directed spray
- 9 Spot treatments (**Section D only**)

**Section C, item 3**

**Common Fertilizers and Their Percent Analysis**

[Enumerator Note: *If Respondent cannot report the formulation for Section C, item 3, use the formulations below.*]

Name	Form	N	Percent Active Ingredients		
			P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
Ammonia	D/L	80	---	---	---
Ammoniated superphosphate	D	12-17	22-35	---	---
Ammonium metaphosphate	D	12	51	---	---
Ammonium nitrate	D	32-34	---	---	---
Ammonium phosphate	D	11-18	46-48	---	---
Ammonium phosphate nitrate	D	27-30	10-15	---	---
Ammonium phosphate sulfate (APS)	D	13-16	20	---	15
Ammonium polyphosphate (APP)	L	10-11	34-37	---	---
Ammonium polysulfide (Ammonium Sulfate)	L	20-21	---	---	24
Ammonium sulfate nitrate	D	20-30	---	---	5
Ammonium thiosulfate solution	L	12	---	---	26
Anhydrous ammonia	L/G	82	---	---	---
Aqua ammonia (Ammonium Hydroxide)	L	16-25	---	---	---
Bone meal	D	0-2	10-20	---	---
Calcium ammonium nitrate	D	15-16	---	---	---
Diammonium phosphate sulfur	D	15-16	39-41	---	---
Diammonium phosphate (DAP)	D	16-21	46-53	---	---
Elemental sulfur	D	---	---	---	52-100
Greensand	D	---	1	6	---
Magnesium sulfate	D	---	---	---	13
Mixed fertilizer	D	2	6	12	---
Mixed fertilizer		3	9	18	---
Mixed fertilizer		3	10	30	---
Mixed fertilizer		5	10	15	---
Mixed fertilizer		5	10	30	---
Mixed fertilizer		5	15	30	---
Mixed fertilizer		8	24	24	---
Mixed fertilizer		9	18	9	---
Mixed fertilizer		10	34	---	---
Monoammonium phosphate (MAP)	D	11-13	48-62	---	---
Natralene	D/L	40	---	---	---
Nitrogen solutions	L	7-58	---	---	---
Nitric phosphate	D	12-17	22-35	---	---
Phosphate rock	D	---	2-35	---	---
Phosphoric acid	L	---	2-76	---	---
Potassium carbonate	D	---	---	34-48	---
Potassium chloride (Muriate of potash)	D	---	---	60-62	---
Potassium magnesium sulfate	D	---	---	22	23
Potassium metaphosphate	D	---	55-57	37-38	---
Potassium nitrate	D	13	---	44	---
Potassium orthophosphate	D	---	30-60	30-50	---
Potassium polyphosphate	L	---	40-60	22-48	---
Potassium sodium nitrate	D	15	---	14-15	---
Potassium solutions	L	---	---	13-15	---
Potassium sulfate	D	---	---	50-53	16
Sodium nitrate (Nitrate of Soda)	D	15-16	---	---	---
Sulfuric acid	L	---	---	---	20-26
Super phosphate (22% & under)	D	---	16-22	---	11
Super phosphate (over 22%)	D	---	23-39	---	11
Triple super phosphate	D	---	40-54	---	11
Urea	D	45-46	---	---	---
Urea, sulfure coated	D	36-38	---	---	13-16
Urea ammonium phosphate	D	25-58	28-35	---	---
Urea ammonium nitrate (UAN)	L	28-32	---	---	---
Urea phosphate	D	17	44	---	---

**CHEMICALS and PESTICIDES for Oats, All**

**F** = Fungicide; **H** = Herbicide; **I** = Insecticide; **M** = Misc. Other; **MD**=Defoliant/Dessicant; **MG** = Growth Regulator  
**AS**; Aqueous Suspension, **D** = Dust, **DF** = Dry flowable, **DG** = Water-Dispersible Granules, **E** or **EC** = Emulsifiable Concentrate,  
**ES** = Emulsifiable solution, **F** or **L** = Flowable, **G** or **GR** = Granular, **L** = Liquid, **LV** = Low volatility, **M** or **ME** = Microencapsulated,  
**P** = Pellets, **S** = Solution, **SC** = Soluble Concentrate **SL** = Slurry, **SP** = Soluble powder, **W** or **WP** = Wettable powder,  
**WDG** or **WG** = Water-Dispersible Granules, **WSP** = Water-soluble packet

Form	Class	Code	Project Name	EPA #	Form	Class	Code	Project Name	EPA #
L	H	40834	2,4-D Amine	1386-43	L	I	10391	Brandt STS Horticultural Oil	48813-1
L	H	40477	2,4-D Amine 4	2217-2	L	I	11123	Brigade 2 EC	279-3313
L	H	40480	2,4-D Amine 4	62575-1	L	H	40951	Buccaneer	55467-10
L	H	40479	2,4-D Amine 4	42750-19	L	H	40119	Caparol 4L	100-620
L	H	40478	2,4-D Amine 4	34704-120	L	I	11296	Capture 2EC	279-3114
L	H	40752	2,4-D Amine 6	42750-21	D	I	11107	Carbine 50 WG	71512-9
L	H	40753	2,4-D Amine 6	5905-503	L	H	40570	Clarity	7969-137
L	H	40754	2,4-D Amine 6	62575-8	L	H	40673	Command 3ME	279-3158
L	H	40751	2,4-D Amine 6		L	H	40942	Cornerstone	524-445
L	H	40755	2,4-D Amine 6	62719-2	L	H	40943	Cornerstone	71368-60
L	H	40750	2,4-D Amine 6	2217-668	L	H	40941	Cornerstone	1381-191
L	H	40390	2,4-d L.V. 4 ESTER (3.84 lbs/g)	228-139	L	H	40281	Cotoran 4L	66222-32
L	H	40582	2,4-D LV6	2217-413	L	H	40282	Cotoran 4L	66222-181
L	H	40580	2,4-D LV6	1381-101	L	H	40122	Cotton-Pro	66222-116
L	H	40583	2,4-D LV6	35935-6	L	H	40123	Cotton-Pro	66222-15
D	H	40581	2,4-D LV6	1386-616	L	I	11134	Couraze Max 4F	264-783
D	I	10603	Acephate 75 WSP	19713-400	L	H	41046	Credit Duo Extra	71368-36
D	I	10604	Acephate 75 WSP	66330-354	L	H	41045	Credit Duo Extra	71368-25
D	I	10653	Acephate 90SP	70506-2	L	MD	90414	DAZE 4SC	66330-334
D	I	10651	Acephate 90SP	66222-122	L	MD	90294	Defol 5	19713-388
D	I	10652	Acephate 90SP	5481-8974	L	MD	90014	Defol 6	19713-85
D	I	10972	Acephate 97UP	70506-8	L	I	10041	Dimethoate 4EC	19713-231
L	MS	90483	ADIOS	66330-344	L	H	40154	Diuron 4L	66222-54
D	H	41165	Aim (40% WDG)	279-3194	L	H	40155	Diuron 4L	9779-329
L	H	40948	Aim EC	279-3241	L	H	40152	Diuron 4L	19713-36
L	H	41032	Alecto 41S	9468-33	D	H	40694	Diuron 80DF	9779-318
L	H	40245	Banvel (4L)	7969-131	D	H	40157	Diuron 80W	19713-274
L	I	10968	Battery 2.5 EC	279-3027	L	H	40746	Dual II Magnum	100-818
L	I	10336	Baythroid 2 (EC)	264-745	L	H	40747	Dual II Magnum Si	100-829
L	I	10294	Bidrin 8	5481-448	L	H	40745	Dual Magnum	100-816
L	MD	90426	Boll Buster	34704-856	L	I	11274	Endigo ZC	100-1376
L	MG	90275	Boll'd	66330-250	D	H	41022	Envoke	100-1132
L	MG	90276	Boll'd	9779-349	L	I	10043	Epi-mek 0.15 EC	100-1154
D	I	10979	Bracket 90	66330-356	L	H	40967	ET	71711-7

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Form	Class	Code	Project Name	EPA #	Form	Class	Code	Project Name	EPA #
L	MD	90391	ET	71711-7	L	I	10388	Narrow Range 415 Spray Oil	34704-1025
L	MG	90199	Ethephon 2	66330-262	L	I	10526	Oberon 2 SC	264-719
L	I	10993	Fanfare 2 EC	66222-99	D	I	10149	Orthene 75 S	5481-8971
L	MD	90438	Firestorm	82557-1	D	I	10598	Orthene 75WSP	59639-89
L	MD	90041	Folex 6EC	5481-504	D	I	10632	Orthene 90 WSP	59639-86
L	I	10646	Fyfanon ULV 9.9 lbs. (96.5%)	67760-34	D	I	10831	Orthene 97	5481-8978
L	MD	90160	Ginstar EC	64-634	L	MG	90392	Pentia	7969-191
L	H	4103	Gly Star Original	42750-60	L	MG	90099	Pix Concentrate	66330-346
L	H	40950	Gly Star Plus	34704-866	D	MG	90191	Pix DF	66330-349
L	H	41053	Gly-4 Plus	42750-61	L	MG	90297	Pix Plus	66330-351
L	H	40675	Glyphos X-TRA	4787-23	L	MG	90033	Pix Ultra	66330-350
L	H	40910	Glyphomax	62719-323	L	MG	90034	Prep Brand Ethephon	264-418
L	H	40506	Gramoxone Inteon	100-1217	L	H	41010	Prowl HWO	241-418
L	I	11132	Holster	34704-875	L	H	40365	Reflex	100-993
L	II	10876	Intrepid 2F	62719-442	L	H	40628	Resource	59639-82
D	I	10909	Intruder WSP	8033-24	L	H	40625 ^	Rifle	34704-861
L	I	10351	Karate (1EC)	100-998	L	MD	90167	Roundup Original	524-445
L	I	10739	Karate Z	100-1097	L	H	41162	Round Original II	524-454
L	M	90482	Klean-Pik 500SC	66222-124	L	H	41007	Roundup Original Max	524-539
L	I	10824	Leverage 2.7	264-770	L	H	40509	Roundup Power Max	524-549
L	I	11281	Macho 4.0 Flowable	42750-140	L	H	40842	Roundup Ultra Max	524-512
L	H	40975	Mad Doy Glyphosate	71368-20	L	H	40843	Roundup Ultra Max	71995-25
L	H	40529	Makaze	34704-890	L	H	40372	Salvo	34704-609
L	H	40528	Makaze	34704-883	L	H	41025	Sequence	100-1185
L	MG	90419	Mepex	228-608	L	MG	90488	Setup	66222-136
L	MG	90420	MepiqMepexuat Chloride	66330-345	L	I	11124	Sniper	34704-858
L	MG	90430	Mepex Gin Out	228-606	L	I	10390	Spray Oil 415	34704-727
L	MG	90181	Mepichlor 4.2% Liquid	66330-241	L	MG	70558	Stance Plant Regulator	264-841
L	MG	90412	Mepiquat Chloride	66222-133	D	H	40656	Staple	35-576
L	H	41012	Me-Too-Lachlor	1971-548	L	H	40001	Staple LX	352-613
L	H	40300	MSMA 6 Plus	1971-42	D	H	41017	Suprend	100-1163
L	I	10487	Mustang	279-3126	L	MD	90413	Takedown SC	34704-871
L	I	10904	Mustang Max	279-3327	L	MS	90011	Telone II	62719-32
L	I	10903	Mustang Max	279-3249	D	I	10357	Thimet 15-G	5481-527

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Form	Class	Code	Project Name	EPA #	Form	Class	Code	Project Name	EPA #
L	I	10978	Tombstone	34704-912	L	H	40547	Trifluralin 4EC	34704-792
L	H	40918	Touchdown Herbicide	100-1117	L	H	40544	Trifluralin 4EC	19713-254
L	H	40534	Touchdown HiTech	100-1182	L	H	40292	Triflurex HFP	66222-46
L	H	40238	Touchdown Total	100-1169	L	H	40887	Trust 4EC	1381-146
L	H	41047	Treflan 4L	34704-853	D	H	40940	Valor WP	59639-98
L	H	40222	Treflan E.C.	62719-97	L	H	40052	Vision (aka ALB 40)	42750-98
L	H	40220	Treflan E.C.	5905-532	L	I	10389	Volck Oil Spray	239-16
L	H	40223	Treflan E.C.	68156-4	L	I	10337	Vydate C-LV	352-532
L	H	40716	Treflan HFP	62719-250	L	I	10258	Vydate L	352-372
D	H	40553	Trifluralin 10G	10163-120	L	H	41113	Warrant (Mon 53410)	524-591
D	H	40554	Trifluralin 10G	34704-790	L	H	40096	Weedar 64	71368-1
L	H	40551	Trifluralin 4EC	9779-303	L	I	11127	Wrangler	34704-931
L	H	40548	Trifluralin 4EC	42750-32	D	I	10967	Zeal Miticide	59639-138
L	H	40550	Trifluralin 4EC	5905-519	L	I	10405	Zephyr 0.15 EC	100-898

**Conversion Factors for Liquid and Dry Products**

Liquid Prtoducts	Dry Products
1 Gallon = 4 Quarts	1 Pound = 16 Dry Ounces
1 Quart = 2 Pints	1 Ounce = 28.3 Grams
1 Pint = 16 Fluid Ounces	1 Pound = 453 Grams
2 Cups = 1 Pint	

# MACHINERY and IMPLEMENT CODES

## Section F, Item 1, Columns 3 & 4

### PLOWS and DISKS

- 01 Chisel Plow (Big Ox)
- 02 Coulter Plow  
(Coulter Chisel, Soil Saver, Soil Conserver)
- 03 Deep Ripper  
(Knife, Bed knife, Slide)
- 04 Disk Plow

#### Moldboard

- 05 Regular
- 06 Two Way
- 07 Stubble-mulch  
(Noble, Sweeps, Hoeme Plow, Muckeroy Plow)
- 08 Subsoiler  
(Chisel, Ripper, V-ripper)
- 09 Disk-chisel  
(Mulch Tiller)

#### Offset Disk

- 10 Heavy Disk
- 11 Light Disk
- 12 One-way Disk  
(Disk Tiller)
- 13 Single Disk

#### Tandem Disk

- 14 Plowing
- 15 Regular
- 16 Paraplow

### MISCELLANEOUS TILLAGE

- 61 Land-all, Do-all, Mix-n-till, Till-all  
(Disk, Shovels, Reel & Spikes)
- 62 Mulch Treader, Picker,  
Treader, Skew
- 63 Roto-tiller
- 64 Roterra (Roto-spike, Lely)
- 65 Sand-fighter
- 66 Soil Finisher  
(Finishing Tool, Mulch Finisher  
Tri-tiller, Task Master)
- 67 Root Crown Puller
- 68 Stalk Puller/Chopper

### BEDDERS-SHAPERS

- 41 Bedder (Shaper)  
(Bedshaper, Crowder)
- 42 Bed Shaper

#### Disk

- 43 Hipper
- 44 Row
- 45 Float
- 46 Lister (Middle-buster)
- 47 Rorovator-bedder
- 48 Seedbed Roller  
(Flat Roller)
- 49 Sub-soil Bedder  
(Ripper-hipper)
- 50 Discovator

### FERTILIZER APPLICATORS

- 71 Aerial (Airplane)
- 72 Attachment to implement
- 73 Manure Spreader
- 74 Self-propelled
- 75 Truck Spreader

#### Tractor Mounted

- 76 Anhydrous
- 77 Dry
- 78 Liquid

#### Trailer Mounted

- 79 Anhydrous
- 80 Dry
- 81 Liquid

### HARROWS (DRAGS)

- 30 Heavy Harrow
- 31 Field Conditioner  
(Scratcher,  
Seed Bed Conditioner,  
Soil Conditioner,  
Ground Hog)
- 32 Finishing  
(Harrogator, Spiral, Roller,  
Knives, Shanks, Pegs,  
Smoother)
- 33 Flex-tine Tooth  
(Coil Tine)
- 34 Multi-weeder  
(Cultivator & Harrow)
- 35 Rail, Pipe, Log, Plank
- 36 Rod Weeder
- 37 Roller (Culti-mulcher,  
Pulvi-mulcher, Crumbler,  
Packer-mulcher,  
Packer & Shanks)
- 38 Spike Tooth
- 39 Spring Tooth
- 40 Powered Spike Tooth Harrow

### PACKERS

- 51 Culti-packer  
(Pulverizer, Crow-foot,  
Serrated, Ring, Spiral)

#### Roller-packer

- 52 Attachment
- 53 Smooth & Flat

### PLANTERS

- 111 Bedder-shaper Planter
- 112 Lister-bedder
- 113 No-till, Minimum Till,  
(Ripper Planter)
- 114 Conventional,  
Regular (Tye, Flex)
- 115 Air Delivery/vacuum
- 116 Ridge till

### CULTIVATORS

#### Field Cultivators

- 21 Regular Digger,  
Triple K, Danish Tined,  
Swedish Tined,  
Incorporated, S-tine,  
Cultivator,  
Vibra-shank Harrow,  
Lilliston Tiller
- 26 Heavy Duty  
(Duckfoot Cultivator)
- 27 Marker
- 28 Fallow Master

- 22 Furrow-out Cultivator
- 23 Rotary Hoe  
(Crust Buster)

#### Row Cultivators

- 24 Disk Sweep, Shovel
- 25 Rolling, Rotary



**CHEMICAL APPLICATIONS**

- 91 Aerial (Airplane)
- 92 Attachment to implement
- 93 Largest Self propelled  
(or Large Truck)
- 94 Motorcycle/atv Sprayer
- 95 Small Self-propelled  
(Spray-coupe, Hi-cycle)
- 96 Small Truck (Skid Mounted)
- 97 Tractor Mounted
- 98 Trailer Mounted

**DRILLS and SEEDERS**

- 101 Aerial Seeding
- 102 Broadcast Seeder

**Drill**

- 103 Air Delivery
- 104 Lister Disk
- 105 No-till or minimum till
- 106 Plain
- 107 Press, Disk or Hoe

**COTTON EQUIPMENT**

- 211 Chopper (Stalk Cutter)
- 213 Gleaner
- Picker**
- 214 Mounted
- 215 Self-propelled
- 216 Rood Machine
- Striper**
- 217 Mounted
- 218 Pull Type
- 219 Self-propelled

**MODULE BUILDING & HAULING EQUIPMENT**

- 212 Module Builder
- 220 Trailer
- 221 Boll Buggy

**LAND FORMING EQUIPMENT**

- 171 Backhoe
- 172 Disk Border Maker
- 173 Ditch Closer
- 174 Ditcher
- 175 Levee Plow Disk
- 176 Quarter Drain Machine
- 177 Rear Mounted Blade
- 178 Corrugator  
(Furrow Dicer, Dammar Dicer,  
Dicer)
- 180 Land Plane Leveler  
(Water Leveler)
- 181 Laser Planer, Laser Leveler
- 182 Gate Setter
- 183 Bull Dozer

**ENUMERATOR NOTE:**

*For Land Forming Equipment codes  
171 – 183, enter Total Hours Operated  
in column 9.*

**MOWERS and BALERS**

- 141 Amish Harvester
- Baler**
- 145 Motor Mounted
- 146 PTO (Large)
- 147 PTO (Small)
- 148 Self-propelled
- 159 Stacker, Automatic
- Mowers**
- 149 Mower-chopper-Rotary
- 150 Conditioner/PTO
- 151 Self-propelled
- 152 Drum disk
- 153 Flail
- 154 Sickle
- Rake**
- 155 Dump
- 156 Side Delivery
- 157 Wheel
- 162 Hay Tedder

**HAULING EQUIPMENT**

**Bale wagon/mover**

- 142 Bale wagon (PTO)
- 143 Bale Wagon (Self-propelled)
- 144 Bale Loader
- 158 Stack Mover
- 160 Front End Loader
- 161 Round Bale Mover
- 195 Hay wagon

**Trailers**

- 194 General Purpose Wagon or Cart
- 195 Hay Wagon
- 208 Gravity Wagon
- 209 Grain Cart with Auger
- 221 Forage Wagon
- 222 Dump Wagon
- 228 Other Trailers

**Trucks**

- 301 Single Axle
- 302 Tandem Axle
- 303 Tri Axle
- 304 Semi
- 305 Other Trucks

**ENUMERATOR NOTE:**

*For Hauling Equipment codes above,  
enter Total Hours Operated in  
column 9.*

**OTHER IMPLEMENTS**

- 191 Burn Buggy
- 192 Chaff/straw Saver
- 193 Electric-discharge Weed Killer
- 196 Off-field Thresher
- 197 Rock Picker
- 198 Rock Windower or Rake
- 199 Rodent (Gopher) Killer
- 200 Roller Groover
- 201 Rubber-wheeled Weed Puller
- 202 Flail Shredder
- 203 Rotary Shredder
- 204 Silage Harvester
- 205 Stalk Shredder, Stalk Cutter
- 206 Swath Roller
- 207 Tractor or Truck–No attachments
- 223 Flame Thrower

**ENUMERATOR NOTE:**

*For Cotton Hauling and Module  
Building Equipment codes above,  
Enter Total Hours Operated in  
column 9.*

## IRRIGATION TYPE CODES

### Section G, Item 2

PRESSURE SYSTEMS		GRAVITY SYSTEMS	
1	HAND-MOVE	10	SIPHON TUBE from unlined ditches
2	SOLID or PERMANENT SET	11	SIPHON TUBE from lined ditches
3	SIDE ROLL or WHEEL LINE	12	PORTAL SYSTEM from unlined ditches
4	CENTER PIVOT or LINEAR MOVE with sprinklers on main line	13	PORTAL SYSTEM from lined ditches
5	CENTER PIVOT or LINEAR MOVE with sprinklers below main line, but more than 2 feet above ground	14	ANY POLY PIPE SYSTEM
6	CENTER PIVOT or LINEAR MOVE with sprinklers less than 2 feet above ground	15	GATED PIPE (not poly pipe)
7	BIG GUN	16	IMPROVED GATED PIPE (surge flow or cablegation not poly pipe)
8	LOW FLOW IRRIGATION (drip, trickle or micro sprinkler)	17	SUBIRRIGATION
9	OTHER - SPECIFY	18	OPEN DISCHARGE FROM WELL or PUMP
		19	OTHER - SPECIFY

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**Notes:**



