



**AGRICULTURAL RESOURCE MANAGEMENT SURVEY
PHASE II
WHEAT PRODUCTION PRACTICES AND COSTS REPORT
RESPONDENT BOOKLET**



**National
Agricultural
Statistics
Service**

2017

Dear Producer:

USDA's National Agricultural Statistics Service (NASS) is conducting the second phase of the Agricultural Resource Management Survey (ARMS). Each year the survey gathers information on production practices for select commodities. This year it focuses on nutrient and fertilizer use, conservation tillage, and pest management practices for wheat, soybean and cotton production. Wheat will include items used to estimate the total costs and returns for wheat production.

We collect responses to this survey in person. During the interview, our representative will ask you several detailed questions. For a quick and efficient interview, please note:

- The questions will pertain to the types of pesticides and fertilizers you use on your crops.
- Spray records for the current crop will be needed.

The results of this survey will be available in aggregate form only, ensuring that no individual operation or producer can be identified, as required by federal law.

Your participation is important. By responding to this survey 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.

The results of this survey will help agricultural leaders, commodity organizations, and decision-makers better understand how producers cope with business challenges, adapt to policy changes, and make decisions about chemical use, new technologies and many other aspects of farming. Analysis will identify the links between seed use, pest management strategies, and tillage choices.

Thank you in advance for your participation and for your support of U.S. agriculture and statistics. If you have any questions or concerns, please contact us at (888) 424-7828.

Sincerely,

Joseph L. Parsons
Chair, Agricultural Statistics Board
National Agricultural Statistics Service
U.S. Department of Agriculture

Enclosures

SEED TREATMENT PRODUCT CODE LIST

Section B, Item 14a

ERS Code	Product Name	ERS Code	Product Name
100	Allegiance Dry	130	ManKocide
101	Allegiance FL	131	Maxim 4FS
102	Allegiance LS	132	Maxim XL
103	Apron XL	133	Mertect 340-F
104	Apron SL LS		
		134	NipsIT Inside
105	Captan 400	135	NipsIT Suite Cereal
106	Captan 400-C		
107	Charter	136	Penncozeb 75DF
108	Charter F2	137	Penncozeb 80WP
109	Charter PB	138	Prevail
110	Cruiser 5FS	139	Proceed
111	CruiserMaxx Cereals	140	Proceed MD
112	CruiserMaxx Vibrance Cereals		
		141	Rancona Crest
113	Dithane DF Rainshield	142	Rancona Pinnacle
114	Dithane F-45 Rainshield	143	Rancona V 100 Pro FS
115	Dithane M45	144	Rancona V RTU FS
116	Divident Extreme	145	Raxil
117	Divident XL RTA	146	Raxil MD
118	Dyna-Shield Fludioxonil	147	Raxil MD Extra
119	Dyna-Shield Foothold	148	Raxil MD Extra W
120	Dyna-Shield Foothold Extra	149	Raxil MD W
121	Dyna-Shield Metalaxyl	150	Raxil Thiram
122	Dyna-Shield Metalaxyl 318 PS	151	Raxil XT Wettable Powder
123	Dyna-Shield Small Grains	152	RTU-Vitavax-Thiram
124	Dynasty		
		153	SabrEx
125	Evergol Energy		
		154	Vibrance
126	Gaicho 600	155	Vibrance Extreme
127	Grain Guard	156	Vitavax-200
		157	Vitavax-34
128	Incentive RTA		
		999	Other
129	LSP		

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 0535-0218. The time required to complete this information collection is estimated to average 65 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.

FEDERAL CROP INSURANCE COVERAGE

Section B, Item 33a

- 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 **Yield based** (individual)
- 3 **Yield plus SCO** (Supplemental Coverage Option)
- 4 **Revenue based** (individual)
- 5 **Revenue plus SCO** (Supplemental Coverage Option)
- 6 **Other Federal Crop Insurance** (*Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.*)

FERTILIZER/PESTICIDE APPLICATION METHODS

Section C, Column 6 & 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	Percent Active Ingredients			
		N	P ₂ O ₅	K ₂ 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
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, sulfur 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 Wheat, 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** = Microencapsalted,
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	40021	2,4-D LV 6	42750-20	L	H	40951	BUCCANEER GLYPHOSATE	55467-10
L	H	40480	2,4-D AMINE - 4	62575-1	L	H	40648	BUCCANEER PLUS GLYPHOSATE	55467-9
L	H	40538	2,4-5 AMINE 4	1381-103	L	F	70914	BUMPER 14.3 EC (PROPICONAZOLE)	53883-363
L	H	40752	2,4-D AMINE 6	42750-21	L	F	70490	BUMPER 41/8 EC (PROPICONAZOLE)	66222-42
L	H	41501	2,4-D AMINE WEEK KILLER	84009-4	L	F	70628	CARAMBA	7969-246
L	H	40936	2,4-D L.V. 6 ESTER	228-95	L	H	41252	CARNIVORE	1381-249
L	H	40378	2,4-D LV ESTER 4	5905-90	L	H	40570	CLARITY	7969-137
L	H	40657	2,4-D LV4	1381-102	L	H	41505	CLEAN SLATE	228-491
L	H	40580	2,4-D LV6	1381-101	L	H	40093	COLT	34704-895
L	H	40583	2,4-D LV-6	35935-6	L	H	40890	COLT + SALVO	34704-1010
L	H	40128	AATREX 4L	100-497	L	H	40933	COLT + SWORD	34704-1011
L	F	70709	ABOUND FLOWABLE	100-1098	L	H	41213	COMET SELECTIVE	71368-87
L	I	11369	ADAMA LAMBDA CY VC 223	66222-223	L	H	40916	CORNBELT SALVAN	11773-16
L	H	41538	AGSAVER GLYPHOSATE 41% PLUS	83772-8	L	H	40941	CORNERSTONE	1381-191
L	H	40948	AIM EC	279-3241	L	H	40520	CORNERSTONE PLUS	1381-192
L	H	40949	AIM EW	279-3242	L	H	41328	CORNERSTONE PLUS 5	1381-241
L	H	40961	ALBAUGH DICAMBA DMA SALT	42750-40	L	H	40465	CURTAIL M	62719-86
L	H	40136	ATRAZINE 4L	35915-4	D	H	40494	CUSTOM-PAK AMBER	100-768
D	H	40316	AVADEX MINTILL	10163-287	L	H	40965	DAGGER SELECTIVE	228-267
L	H	40525	AXIAL	100-1199	L	H	40962	DICAMBA DMA 4# AG	66330-276
L	H	41242	AXIAL STAR	100-1389	L	H	40891	DISCOVER	100-907
L	H	40531	AXIAL XL	100-1256	L	H	41006	DISCOVER NG	100-1173
D	H	40738	AXIOM DF	264-766	L	H	41034	DOUBLE UP B+D	5905-552
L	H	41028	BANVEL + 2,4-D	66330-287	D	H	40275	DUPONT AFFINITY BROADSPEC (WITH TOTALSOL SOLUBLE GRANULES)	352-661
L	H	40632	BARRAGE HF	5905-529	D	H	41054	DUPONT AFFINITY TANKMIX (WITH TOTALSOL SOLUBLE GRANULES)	352-641
L	H	40245	BAS 183 06H (SEDAGRI DICAMBA)	7969-131	D	H	40929	DUPONT ALLY EXTRA	352-610
L	I	11046	BAYTHROID XL	264-840	D	H	40233	DUPONT ALLY EXTRA SG (WITH TOTALSOL SOLUBLE GRANULES)	352-715
L	H	41201	BEYOND	241-441	D	H	40235	DUPONT ALLY XP	352-435
L	H	40012	BISON	9779-347	L	F	70811	DUPONT APPROACH	352-840
L	H	41027	BRASH	1381-202	L	F	70810	DUPONT APPROACH PRIMA	352-883
L	H	40084	BROMAC	34704-886	D	H	41400	DUPONT DPX-SBN49 (WITH TOTALSOL SOLUBLE GRANULES)	352-876
L	H	40926	BRONATE ADVANCED	264-690					
L	H	40325	BROX-M	42750-52					

CHEMICALS and PESTICIDES for Wheat, 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 #
D	H	40011	DUPONT EXPRESS WITH TOTALSOL SOLUBLE GRANULES	352-632	L	F	70549	HEADLINE	7969-186
D	H	41231	DUPONT FINESSE CEREAL AND FALLOW	352-827	L	H	41408	HM-1144 (FULL DECK)	5905-590
D	H	40217	DUPONT FINESSE GRASS & BROADLEAF	352-718	L	H	41216	HUSKIE COMPLETE	264-1135
D	H	40323	DUPONT FINESSE	352-445	L	H	40065	HUSKIE	264-1023
D	H	40250	DUPONT HARMONY EXTRA SG (WITH TOTALSOL SOLUBLE GRANULES)	352-714	L	I	10351	KARATE 1EC	100-998
D	H	40248	DUPONT HARMONY EXTRA XP	352-611	L	I	10739	KARATE WITH ZEON TECHNOLOGY	100-1097
D	H	40246	DUPONT HARMONY GT XP	352-446	L	I	11294	LAMBDA 13%	71532-20
D	H	40251	DUPONT HARMONY SG (WITH TOTALSOL SOLUBLE GRANULES)	352-633	L	I	11362	LAMBDA-CY AG	83222-42
L	H	40530	E-99	62719-365	L	H	41366	LIBERTY GLYPHOSATE PLUS	89168-17
L	H	41207	EVEREST 2.0	66330-391	L	I	10983	LORSBAN-4E	62719-220
D	H	40925	EVEREST 70% WATER DISPERSIBLE GRANULAR	66330-49	L	H	40896	LV 400 2,4-D WEED KILLER	2217-77
L	F	70765	EVITO T	66330-383	L	H	41024	MAESTRO D	71368-39
D	H	40310	EXPRESS	352-509	L	H	40400	MCP AMINE 4	34704-130
L	I	11354	F9144 EC (MUSTANG MAXX)	279-3426	L	H	40452	MCP ESTER 4	34704-992
L	F	70723	FITNESS	34704-1031	L	H	40055	MCP ESTER	62719-573
L	F	70687	FLUOXASTROBIN 480 SC	66330-64	L	H	40616	MCPE PHENOXY	1381-98
L	F	70259	FOLICUR 3.6 F FOLIAR	264-752	L	H	41031	MEXTROL EC	71368-28
L	I	10487	FURY 1.5 EW	279-3126	L	F	70624	MONSOON	34704-900
L	H	41063	GF-1279 (ACCORD XRT, DURANGO, OR GLYPHOMAX XRT)	62719-517	L	F	70766	MULTIVA	7969-247
L	H	41136	GF-1280 (ACCORD XRT II, DURANGO DMA, OR DURAMAX)	62719-556	L	H	40081	NUFARM CREDIT	71368-65
D	H	41257	GF-2468 (POWERFLEX HL)	62719-643	L	H	40975	NUFARM CREDIT	71368-20
L	H	40675	GLYFOS X-TRA	4787-23	L	H	41250	NUFARM KAMBAMASTER	71368-34
L	H	40950	GLYPHOSATE	34704-866	L	H	41217	NUP-08131 SELECTIVE (DEADBOLT)	71368-93
L	H	41180	GLYPHOSATE 4 PLUS	81927-9	L	H	41399	OD 70	264-1062
L	H	41023	GLYPHOSATE 41%	42750-60	D	H	40501	OLYMPUS 70% WATER DISPERSIBLE	264-809
L	H	41053	GLYPHOSATE 41% PLUS	42750-61	D	H	40304	OLYMPUS FLEX	264-833
L	H	40074	GOLDSKY	62719-582	L	F	70630	ONSET 3.6L	1381-203
L	I	11168	GRIZZLY Z	1381-211	L	H	40066	ORION	100-1307
D	H	40572	HARMONY EXTRA	352-538	D	H	41018	OSPREY	264-802

CHEMICALS and PESTICIDES for Wheat, All

F = Fungicide; **H** = Herbicide; **I** = Insec41408ticide; **M** = Misc. Other; **MD**=Defoliant/Dessicant; **MG** = Growth Regulator
AS; Aqueous Suspension, **D** = Dust, **DF** = Dry flo41216wable, **DG** = Water-Dispersible Granules, **E** or **EC** = Emulsifiable Concentrate,
ES = Emulsifiable solution, **F** or **L** = Flowable, **G** or **G40065R** = Granular, **L** = Liquid, **LV** = Low volatility, **M** or **ME** =Microencapsalted,
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	41008	OUTLAW	42750-68	L	H	41215	STARANE FLEX	62719-604
D	H	40666	PEAK	100-763	L	H	40060	STARANE ULTRA	62719-577
D	H	40071	POWERFLEX	62719-569	L	H	40875	STERLING	1381-190
L	F	70727	PPZ AG-EC	83222-18	L	H	41348	STERLING BLUE	1381-248
L	F	70764	PRIAXOR XEMIIUM BRAND	7969-311	L	F	70473	STRATEGO	264-779
L	I	11516	PROAXIS	279-3583	L	F	70768	STRATEGO YLD	264-1093
L	F	70767	PROPICONAZOLE 41.8% EC	42750-211	D	H	41210	SUPREMACY	66330-406
L	F	70485	PROPICONAZOLE EC	62719-346	L	F	70698	TEBUCONAZOLE 3.6 F	70506-114
L	F	70609	PROSARO 421 SC	264-862	L	F	70699	TEBUCONAZOLE 3.6FL	42750-99
L	H	40892	PUMA 1EC	264-666	L	F	70769	TIDE PROPICONAZOLE 41.8% EC	84229-11
L	H	40059	PUMA ULTRA	264-1073	L	F	70072	TILT	100-617
L	F	70689	QUADRIS TOP	100-1313	L	H	41344	TOMAHAWK 4	33270-18
L	F	70525	QUILT	100-1178	L	H	41225	TOMAHAWK 5	33270-15
L	F	70726	QUILT XCEL	100-1324	L	H	40918	TOUCHDOWN	100-1117
D	H	40827	RAVE	100-927	L	H	40238	TOUCHDOWN TOTAL	100-1169
L	H	40509	RD 1617 (ROUNDUP POWER MAX OR DUPONT ABUNDIT EDGE)	524-549	L	H	41206	TRUMPCARD	5905-581
D	H	40523	RIMFIRE	264-847	L	H	41471	VENDETTA	2935-552
L	H	40942	ROUNDUP	524-445	L	H	41221	VIDA	10163-314
L	H	41007	ROUNDUP ORIGINAL 2K	524-539	L	H	41528	VOUCHER	5905-585
L	H	41162	ROUNDUP ORIGINAL II	524-454	L	I	11167	WARRIOR II WITH ZEON TECHNOLOGY	100-1295
L	H	41096	ROUNDUP PROMAX	524-579	L	I	11038	WARRIOR WITH ZEON TECHNOLOGY	100-1112
L	H	41159	ROUNDUP ULTRA	524-475	L	H	40096	WEEDER 64 BROADLEAF	71368-1
L	H	40842	ROUNDUP ULTRAMAX	524-512	L	H	41236	WELD	1381-246
L	H	40519	ROUNDUP VM	524-544	L	H	41013	WIDEMATCH	62719-512
L	H	40372	SALVO	34704-609	L	H	41035	WILDCARD XTRA	5905-550
D	H	40209	SENCOR DF 75% DRY FLOWABLE	264-738	L	H	40070	WOLVERINE	264-1075
L	H	41135	SHARPEN POWERED BY KIXOR	7969-278	L	I	10903	Z-CYPE 0.8 EC	279-3249
L	H	41396	SHREDDER 2,4-D LV6	1381-250	L	I	10904	ZETA-CYPE 0.8EC	279-3327
L	I	10158	SILENCER	66222-104	D	H	41285	ZIDUA	7969-338

Conversion Factors for Liquid and Dry Products

Liquid Prducts	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 Conservor)
- 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

HARVESTING EQUIPMENT

Small Grains/Row Crops Combine

- 121 Hillside
- 122 Self propelled, 2wd
- 123 Self-propelled, 4wd
- 124 Track
- 125 PTO/motor Mounted

Windrower-swather

- 126 (Grain/hay)PTO
 - 127 (Grain/hay) self-propelled
- 134 Hand Harvesting

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
- 184 Polypipe roller
- 197 Rock Picker

ENUMERATOR NOTE:

*For Land Forming Equipment codes
171 – 184, enter Total Hours Operated
in column 10.*

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
- 234 Brush Rake Sweeper

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
- 224 Forklift

Trailers

- 194 General Purpose Wagon or Cart
- 195 Hay Wagon
- 208 Gravity Wagon
- 209 Grain Cart with Auger
- 210 Grain Cart with Auger (Self-
Propelled)
- 221 Forage Wagon
- 222 Dump Wagon
- 229 Bin Trailer
- 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 10.*

OTHER IMPLEMENTS

- 191 Burn Buggy
- 192 Chaff/straw Saver
- 193 Electric-discharge Weed Killer
- 196 Off-field Thresher
- 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

PTO Power Take-off

WD Wheel Drive

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

Notes:

