



2021 Rice Production Practices and Cost Report Respondent Booklet

Every year the U.S. Department of Agriculture (USDA) conducts the Agricultural Resource Management Survey. The survey gathers information on production practices, nutrient and fertilizer use, tillage practices, and pest management practices for different commodities each year.

Your participation is important. By responding to this survey, you are helping USDA compile an accurate picture of farming in the United States. This will ensure that the decisions impacting the well-being of farms are based on accurate, timely information.

A representative from the National Association of State Departments of Agriculture (NASDA) will work with you to complete your survey by telephone. To protect the health of producers, partners, and employees, NASS has suspended in-person data collection until further notice.

During the interview, our representative will ask you detailed questions about the types of pesticides you use on your crops. To make the interview process faster, please have your spray records available. If you used a commercial chemical company, please help our representative by having those records accessible.

The enclosed booklet will help you and our representative find and record the correct pesticide products. The booklet lists registered label names of products, along with their Environmental Protection Agency registration number. If you do not find the correct product listed in this booklet, record where the product was purchased or as much information about the product as possible.

Your survey response is confidential. The information you provide will be used for statistical purposes only. In accordance with federal law, your responses will not be published in identifiable form.

Thank you for participating and for your support of our programs and U.S. agriculture. If you have any questions, please contact us at 888-424-7828 or visit nass.usda.gov/go/arms.

Sincerely,

Joseph L. Parsons
Chair, Agricultural Statistics Board
Enclosure

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 is 0535-0218. The time required to complete this information collection is estimated to average 75 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.

2021 RICE SAMPLED STATES by REGION

DELTA	HEARTLAND	PACIFIC	SOUTHERN PLAINS
<ul style="list-style-type: none">• Arkansas• Louisiana• Mississippi	<ul style="list-style-type: none">• Missouri	<ul style="list-style-type: none">• California	<ul style="list-style-type: none">• Texas

SEED TREATMENT NAME AND CODE LIST

Section B, Item 14a and 14b

Product Code	Product Trade Name	Product Code	Product Trade Name
279	42-S Thiram	198	Manzate ProStick™
101	Allegiance® FL	197	Manzate® Flowable
331	Amistar® Top	131	Maxim® 4 FS
103	Apron® XL	429	Mustang® Maxx
362	Belay®	433	MycoApply® EndoFuse™
375	Coragen®	134	NipsIt INSIDE®
384	CruiserMaxx® Rice	135	NipsIt™ Suite Cereals OF
386	Dermacor® X-100	452	Propimax®
387	Dimlin® 2L	454	PyGanic®
388	Dithane® M45	455	Quadris®
113	Dithane® DF Rainshield®	456	Quilt Xcel®
114	Dithane® F45 Rainshield®	465	Release®
123	Dyna-Shield® Small Grains™	483	Sercadis®
393	Elegia®	484	Sevin®
396	Epivo®ZN	498	Stiletto®
125	EverGol™ Energy	501	Stratego®
397	EverGol™ Prime	268	Trilex® Flowable
401	Fortenza®	154	Vibrance™
404	GEM™	521	Vitavax® CT
127	Grain Guard	522	Vitavax® M
412	Intrepid® 2F	156	Vitavax-200
413	Karate® with Zeon™ Technology	529	Warrior II with Zeon® Technology
416	Lambda-Cy™	999	Treatment not listed

COMMERCIAL SEED PRODUCT NAME AND CODE LIST

Section B, Item 15a and 15b

Product Code	Product Trade Name	Product Code	Product Trade Name
120	Caffey	143	M-402
134	Calhikari-202	125	Mermentau
133	Calmochi 101	136	MM17
121	Cheniere	111	Presido
101	Clearfield 111	112	Provisia L01
102	Clearfield 151	113	Provisia L02
103	Clearfield 153	114	RiceTec 7301
104	Clearfield 163	115	RiceTec 7321 FullPage
105	Clearfield 172	137	RiceTec 7501
106	Clearfield 272	116	RiceTec 7521 FullPage
107	Clearfield J01	117	RiceTec Clearfield XL 745
108	Clearfield L15	118	RiceTec Gemini 214 Clearfield
109	Clearfield M04	119	RiceTec XP753
135	Della-2	138	RT XL723
122	Diamond	139	RT XP760
110	Jazzman	144	S-102
123	Jupiter	140	SS Rex
124	LaKast	141	SS Roy J
128	M-105	142	SS Wells
129	M-205	126	Thad
130	M-206	127	Titan
131	M-209	999	Product not listed
132	M-401		

FEDERAL CROP INSURANCE COVERAGE

Section B, Item 32a

- | | |
|---|---|
| 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 protection (YP) |
| 3 | Revenue protection (RP) |
| 4 | Other multi-peril crop insurance |

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) |

CONVERSION FACTORS FOR LIQUID AND DRY PRODUCTS

Liquid Products	Dry Products
1 Gallon = 4 Quarts	1 Lb = 16 oz
1 Gallon = 3.785 Liters	1 oz = 28.35 Grams
1 Gallon = 8 Pints = 128 fluid oz	1 oz = 0.0625 Lbs.
1 Quart = 2 Pints	1 Lb = 453 Grams = 0.45 Kg
1 Pint = 16 fluid oz	1 Kg = 1,000 Grams
2 cups = 1 Pint	1 Kg = 2.02046 Lbs

Section C, item 3, Column 2

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 RICE

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

Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	H	40480	2,4-D AMINE - 4	62575-1	L	H	40926	BRONATE ADVANCED HERBICIDE	264-690
L	H	40538	2,4-D AMINE 4	1381-103	L	H	40651	BROX 2EC HERBICIDE	42750-48
L	H	40752	2,4-D AMINE 6	42750-21	L	H	40325	BROX-M HERBICIDE	42750-52
L	H	41501	2,4-D AMINE WEED KILLER	84009-4	L	H	41386	BUCCANEER 5 EXTRA HERBICIDE	55467-15
L	H	40936	2,4-D L.V. 6 ESTER	228-95	L	H	40648	BUCCANEER PLUS GLYPHOSATE HERBICIDE	55467-9
L	H	40021	2,4-D LV 6	42750-20	L	F	70914	BUMPER 14.3 EC	53883-363
L	H	40378	2,4-D LV ESTER 4	5905-90	L	F	70490	BUMPER 41.8 EC (PROPICONAZOLE) FUNGICIDE	66222-42
L	H	40657	2,4-D LV4	1381-102	L	F	70628	CARAMBA FUNGICIDE	7969-246
L	H	40580	2,4-D LV6	1381-101	L	H	41252	CARNIVORE HERBICIDE	1381-249
L	H	40583	2,4-D LV-6	35935-6	D	H	40986	CERANO 5 MEG	279-3269
L	F	71007	A19649 CROP	100-1601	L	H	40570	CLARITY HERBICIDE	7969-137
L	F	70709	ABOUND FLOWABLE FUNGICIDE	100-1098	D	H	40498	CLEARPATH HERBICIDE	7969-222
L	F	70780	ABSOLUTE 500 SC FUNGICIDE	264-849	L	H	40972	CLINCHER CA	62719-356
D	H	41827	AFFINITY BROADSPEC HERBICIDE WITH TOTALSOL SOLUBLE GRANULES	279-9601	L	H	40973	CLINCHER SF	62719-357
D	H	41825	AFFINITY TANKMIX HERBICIDE WITH TOTALSOL SOLUBLE GRANULES	279-9599	L	H	40093	COLT	34704-895
L	H	40595	AFG ORIGINAL	34704-889	L	H	40933	COLT + SWORD HERBICIDE	34704-1011
L	H	40948	AIM EC	279-3241	L	H	41213	COMET SELECTIVE HERBICIDE	71368-87
D	H	41165	AIM HERBICIDE	279-3194	L	H	40673	COMMAND 3ME MICROENCAPSULATED HERBICIDE	279-3158
D	H	41474	ALLIGARE MSM 60	81927-7	L	H	40941	CORNERSTONE	1381-191
D	H	41819	ALLY EXTRA HERBICIDE	279-9589	L	H	41328	CORNERSTONE PLUS 5	1381-241
D	H	41826	ALLY EXTRA SG HERBICIDE (WITH TOTALSOL SOLUBLE GRANULES)	279-9603	D	H	40494	CUSTOM-PAK AMBER HERBICIDE	100-768
D	H	41821	ALLY XP HERBICIDE	279-9575	D	H	40666	CUSTOMPAK PEAK HERBICIDE	100-763
L	F	70770	ALTO 100SL FUNGICIDE	100-1226	L	H	40965	DAGGER SELECTIVE HERBICIDE	228-267
L	H	40478	AMINE 4 2,4-D WEED KILLER	34704-120	L	H	40643	DIABLO HERBICIDE	228-379
L	H	40136	ATRAZINE 4L HERBICIDE	35915-4	L	H	40430	DICAMBA DMA 2# AG	66330-277
L	H	41858	AXIAL BOLD HERBICIDE	100-1632	L	H	40962	DICAMBA DMA 4# AG	66330-276
L	H	40525	AXIAL HERBICIDE	100-1199	L	H	41006	DISCOVER NG HERBICIDE	100-1173
L	H	41242	AXIAL STAR HERBICIDE	100-1389	D	H	41757	DPX-SBN49 HERBICIDE (WITH TOTALSOL SOLUBLE GRANULES)	279-9619
L	H	40531	AXIAL XL	100-1256	L	O	90294	DREXEL DEFOL 5	19713-388
L	H	41028	BANVEL + 2,4-D	66330-287	L	H	40530	E-99	62719-365
L	H	40632	BARRAGE HF	5905-529	D	H	41662	EDITION TANK MIX HERBICIDE	279-3566
L	H	40245	BAS 183 06H HERBICIDE	7969-131	L	H	41207	EVEREST 2.0 HERBICIDE	66330-391
L	I	11046	BAYTHROID XL	264-840	D	H	40925	EVEREST 70% WATER DISPERSIBLE GRANULAR HERBICIDE	66330-49
L	H	41201	BEYOND	241-441	L	H	41844	EVEREST® 3.0 HERBICIDE	66330-433
L	H	40012	BISON	9779-347	L	F	70765	EVITO T FUNGICIDE	66330-383
D	H	40305	BOLERO 15 G (HERBICIDE)	59639-112	L	I	11354	F9114 EC INSECTICIDE	279-3426
L	H	40428	BOLERO 8 EC (HERBICIDE)	63588-6	L	H	41573	F9312-3	279-3464
L	H	41027	BRASH	1381-202	D	H	40435	FACET 50 WP	7969-93
L	H	40084	BROMAC	34704-886	D	H	41274	FACET 75 DF HERBICIDE	7969-313
L	H	41398	BROMAC ADVANCED	34704-1052	L	H	41265	FACET L HERBICIDE	7969-315

CHEMICALS and PESTICIDES for RICE

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	I	11402	FASTAC EC	7969-298	D	H	41267	LEAGUE MVP HERBICIDE	59639-189
L	H	41838	FINESSE CEREAL AND FALLOW HERBICIDE	279-9610	L	I	10983	LORSBAN-4E	62719-220
D	H	41822	FINESSE HERBICIDE	279-9576	L	H	40896	LV 400 2,4-D WEED KILLER	2217-77
L	F	70723	FITNESS FUNGICIDE	34704-1031	D	I	11367	LX434 DINOTEFURAN 20SG	86203-25
L	F	70259	FOLICUR 3.6 F FOLIAR FUNGICIDE	264-752	L	H	41024	MAESTRO D HERBICIDE	71368-39
L	I	10487	FURY 1.5 EW INSECTICIDE	279-3126	L	H	41138	MAKAZE YIELD-PRO	34704-1033
L	H	41136	GF-1280	62719-556	L	H	40400	MCP AMINE 4	34704-130
L	H	41198	GLY STAR GRASS AND WEED KILLER CONCENTRATE	42750-67	L	H	40452	MCP ESTER 4 HERBICIDE	34704-992
L	H	40675	GLYFOS X-TRA	4787-23	L	H	40055	MCP ESTER HERBICIDE	62719-573
L	H	40950	GLYPHOSATE	34704-866	L	H	40454	MCPA AMINE	1381-104
L	H	40977	GLYPHOSATE 4 HERBICIDE	51036-312	L	H	40589	MCPA ESTER 4	42750-23
L	H	41180	GLYPHOSATE 4 PLUS	81927-9	L	H	40455	MCPA-4 AMINE	228-143
L	H	41023	GLYPHOSATE 41%	42750-60	L	H	40616	MCPE PHENOXY HERBICIDE	1381-98
L	H	41420	GLYPHOSATE 41% HERBICIDE	87659-3	L	H	41031	MEXTROL EC HERBICIDE	71368-28
L	H	41053	GLYPHOSATE 41% PLUS	42750-61	L	F	71022	MIRAVIS ACE	100-1645
L	H	41722	GLYPHOSATE 5.4	81927-8	D	H	40833	MON 12037 HERBICIDE	81880-19
L	H	40074	GOLDSKY HERBICIDE	62719-582	L	F	70766	MULTIVA FUNGICIDE	7969-247
L	H	40506	GRAMOXONE INTEON	100-1217	L	H	40984	NEWPATH HERBICIDE	241-412
L	H	40774	GRANDSTAND R	62719-215	L	F	70981	NEXICOR XEMIMUM BRAND FUNGICIDE	7969-380
D	H	40306	GRANITE GR	62719-501	D	H	41533	NIMBLE HERBICIDE	279-3560
L	H	41264	GRANITE SC	62719-514	D	H	40501	OLYMPUS 70% WATER DISPERSIBLE	264-809
L	H	40497	GRASP SC	62719-500	D	H	40304	OLYMPUS FLEX HERBICIDE	264-833
L	I	11168	GRIZZLY Z INSECTICIDE	1381-211	L	F	70630	ONSET 3.6L	1381-203
D	H	40626	GWN-3061	81880-2	L	H	41847	OPENSKY	62719-721
D	H	41124	HALOSULFURON 75WDG HERBICIDE	2749-528	L	H	40066	ORION HERBICIDE	100-1307
D	H	41808	HARMONY EXTRA HERBICIDE	279-9583	D	H	41018	OSPREY HERBICIDE	264-802
D	H	41807	HARMONY EXTRA SG HERBICIDE WITH TOTALSOL SOLUBLE GRANULES	279-9602	L	H	41008	OUTLAW	42750-68
D	I	11670	HARMONY EXTRA XP HERBICIDE	279-9590	L	O	90671	PALISADE 2EC	100-1241
D	H	41823	HARMONY GT XP HERBICIDE	279-9577	L	O	90411	PALISADE EC	100-949
D	H	41761	HARMONY SG HERBICIDE (WITH TOTALSOL SOLUBLE GRANULES)	279-9595	D	H	40978	PARAMOUNT HERBICIDE	7969-113
L	H	41209	HAT TRICK THREE WAY HERBICIDE	34704-1017	L	H	41066	PARAQUAT CONCENTRATE	82542-3
L	F	70549	HEADLINE FUNGICIDE	7969-186	L	H	41363	PARAQUAT SL HERBICIDE	82557-1
L	H	41216	HUSKIE COMPLETE	264-1135	D	H	41571	PATRIOT SELECTIVE HERBICIDE	228-391
L	H	40065	HUSKIE HERBICIDE	264-1023	L	H	41642	PERFECTMATCH	62719-685
L	I	10351	KARATE 1EC	100-998	D	H	40085	PLOTTER AGRICULTURAL HERBICIDE	83100-3
L	I	10739	KARATE INSECTICIDE WITH ZEON TECHNOLOGY	100-1097	D	H	40071	POWERFLEX	62719-569
L	I	11148	LAMBDA CY EC INSECTICIDE	70506-120	L	F	70916	PRIAXOR D FUNGICIDE	7969-361
L	I	11362	LAMBDA-CY AG	83222-42	L	F	70764	PRIAXOR XEMIMUM BRAND FUNGICIDE	7969-311
L	I	11294	LAMBDA STAR INSECTICIDE	71532-20	L	F	70610	PROLINE 480 SC FUNGICIDE	264-825
L	H	41178	LATIGO	5905-564	L	F	70767	PROPICONAZOLE 41.8% EC	42750-211

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	F	70485	PROPICONAZOLE EC	62719-346	L	H	41135	SHARPEN POWERED BY KIXOR HERBICIDE	7969-278
L	F	70609	PROSARO 421 SC FUNGICIDE	264-862	L	H	41396	SHREDDER 2,4-D LV6	1381-250
L	H	40655	PROWL 3.3 EC HERBICIDE	241-337	L	I	10158	SILENCER	66222-104
L	H	41010	PROWL H2O HERBICIDE	241-418	L	H	41588	SIMPLICITY	62719-568
L	H	40892	PUMA 1EC HERBICIDE	264-666	L	H	41215	STARANE FLEX	62719-604
L	F	70761	QUADRIS XTRA FUNGICIDE	100-1225	L	H	40060	STARANE ULTRA	62719-577
L	H	41713	QUELEX	62719-661	L	H	41348	STERLING BLUE	1381-248
L	F	70525	QUILT FUNGICIDE	100-1178	L	H	40662	STORM HERBICIDE	70506-59
L	F	70726	QUILT XCEL FUNGICIDE	100-1324	L	F	70473	STRATEGO FUNGICIDE	264-779
L	H	41841	QUIZALOFOP 1E	42750-313	L	F	70768	STRATEGO YLD FUNGICIDE	264-1093
L	O	90567	RADIATE	34704-909	L	H	41721	TALINOR	100-1570
L	H	40886	RANGE STAR	42750-55	L	F	70698	TEBUCONAZOLE 3.6 F FUNGICIDE	70506-114
D	H	40827	RAVE HERBICIDE	100-927	L	F	70699	TEBUCONAZOLE 3.6FL	42750-99
L	H	40509	RD 1617 HERBICIDE	524-549	L	F	70072	TILT	100-617
L	H	41284	REBELEX	62719-607	L	I	10978	TOMBSTONE	34704-912
D	H	40974	REGIMENT HERBICIDE	59639-105	L	I	11173	TOMBSTONE HELIOS	34704-978
D	H	41485	REPORT EXTRA HERBICIDE	279-3563	L	H	40918	TOUCHDOWN HERBICIDE	100-1117
L	H	40964	RICESTAR HERBICIDE	264-682	L	F	70978	TRIAPRO FUNGICIDE	100-1613
L	H	40620	RIFLE HERBICIDE	34704-861	L	H	41206	TRUMPCARD	5905-581
L	H	40619	RIFLE-D HERBICIDE	34704-869	L	H	40913	ULTRABLAZER HERBICIDE	70506-60
D	H	41248	RIMFIRE MAX HERBICIDE	264-1099	L	F	71025	USF 0728 325 SC FUNGICIDE	264-1055
L	H	41004	ROUNDUP CUSTOM HERBICIDE	524-343	D	H	41272	V-10142 AG HERBICIDE	59639-166
L	H	40942	ROUNDUP HERBICIDE	524-445	D	H	40940	VALOR WP HERBICIDE	59639-98
L	H	41007	ROUNDUP ORIGINAL 2K HERBICIDE	524-539	L	H	41471	VENDETTA	2935-552
L	H	41162	ROUNDUP ORIGINAL II HERBICIDE	524-454	D	H	41738	VICTORY HERBICIDE	71368-75
L	H	41096	ROUNDUP PROMAX	524-579	L	I	11167	WARRIOR II WITH ZEON TECHNOLOGY	100-1295
L	H	40905	ROUNDUP READY-TO-USE WEED & GRASS KILLER	71995-8	L	I	11038	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	100-1112
L	H	41159	ROUNDUP ULTRA HERBICIDE	524-475	L	H	40096	WEEDAR 64 BROADLEAF HERBICIDE	71368-1
L	H	40842	ROUNDUP ULTRAMAX	524-512	L	H	40406	WEEDONE LV4 BROADLEAF HERBICIDE	71368-14
L	H	40519	ROUNDUP VM HERBICIDE	524-544	L	H	41529	WHITEOUT 2,4-D	34704-1032
L	H	40843	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	71995-25	L	H	41013	WIDEMATCH HERBICIDE	62719-512
L	H	40372	SALVO	34704-609	L	H	41035	WILDCARD XTRA	5905-550
D	H	40495	SAVAGE	34704-606	L	I	10903	Z-CYPE 0.8 EC INSECTICIDE	279-3249
L	H	41846	SCORCH	71368-117	L	I	10904	ZETA-CYPE 0.8EC INSECTICIDE	279-3327
L	F	70743	SHAR-GUARD	83529-22					

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

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

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
 69 Vertical Tiller
 70 Strip Tiller

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

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

PTO Power Take-off

WD Wheel Drive

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 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
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 9.

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

IRRIGATION TYPE CODES

Section G, Item 2a

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	18	Open discharge from well or pump
		19	Other