



## 2023 Production Practices Report Respondent Booklet

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

A USDA representative from NASDA (National Association of State Departments of Agriculture) will work with you in person to collect your responses. During the interview, our representative will ask you several detailed questions about the types of pesticides you use on your crops. To make the interview process go faster, please have your spray records available. If you used a commercial chemical company, please make sure those records are accessible.

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

**Your data is confidential.** The results of this survey will be combined with other responses, ensuring that no individual operation or producer can be identified, as required by federal law.

Thank you for participating and for your support of our programs and U.S. agriculture. If you have any questions, please feel free to contact us at 1-888-424-7828, or visit:

<http://www.nass.usda.gov/go/arms>.

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Sincerely,

Joseph L. Parsons  
Chair, Agricultural Statistics Board  
Enclosure

**2023 Regional Field Offices - Sampled States by Region**

## Barley Production Practices Report - PPR

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**FERTILIZER/PESTICIDE APPLICATION METHODS**

Section C, column 6 &amp; Section D, Column 9

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|---|
| <ol style="list-style-type: none"><li>1 Broadcast, ground without incorporation</li><li>2 Broadcast, ground with incorporation</li><li>3 Broadcast, by aircraft</li><li>4 In seed furrow</li><li>5 In irrigation water</li><li>6 Chisel/injected or knifed in</li><li>7 Banded in or over row</li><li>8 Foliar or directed spray</li><li>9 Spot treatments (Section D only)</li></ol> |
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## 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 <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
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 BARLEY**

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 #
H	L	40480	2,4-D AMINE - 4	62575-1	H	D	41696	AUDIT 1:1	66330-418
H	L	40538	2,4-D AMINE 4	1381-103	H	D	40079	AUDIT 75 WDG HERBICIDE	66330-384
H	L	40479	2,4-D AMINE 4	42750-19	H	D	40316	AVADIX MINTILL HERBICIDE	10163-287
H	L	40752	2,4-DAMINE 6	42750-21	O	L	90676	AX PARAQUAT CONCENTRATE	89167-24
H	L	41501	2,4-D AMINE WEED KILLER	84009-4	F	L	70908	AX TEBUCON 3.6 SC FUNGICIDE	89167-23
H	L	40936	2,4-D L.V. 6 ESTER	228-95	H	L	40525	AXIAL HERBICIDE	100-1199
H	L	40021	2,4-D LV 6	42750-20	H	L	41242	AXIAL STAR HERBICIDE	100-1389
H	L	40378	2,4-D LV ESTER 4	5905-90	H	L	40531	AXIAL SL	100-1256
H	L	40657	2,4-D LV4	1381-102	H	D	40738	AXIOM DF HERBICIDE	264-766
H	L	40580	2,4-D LV6	1381-101	H	L	41118	BALANCE FLEXX HERBICIDE	264-1067
H	L	40583	2,4-D LV-6	35935-6	H	L	41028	BANVEL + 2,4-D	66330-287
H	L	40128	AATREX 4L HERBICIDE	100-497	H	L	40632	BARRAGE HF	5905-529
H	D	40143	AATREX NINE-O HERBICIDE	100-585	H	L	40245	BAS 183 06H HERBICIDE	7969-131
F	L	70709	ABOUND FLOWABLE FUNGICIDE	100-1098	H	L	40403	BAS 452 18H HERBICIDE	7969-133
F	L	70780	ABSOLUTE 500 SC FUNGICIDE	264-849	H	L	41578	BASE CAMP LV 6	2935-553
H	D	41545	ACCURATE EXTRA HERBICIDE	279-3558	I	L	11046	BAYTHROID XL	264-840
H	D	41594	ACCURATE HERBICIDE	279-3552	H	L	41201	BEYOND	241-441
H	L	40329	ACME HI-DEP HERBICIDE	2217-703	H	L	40012	BISON	9779-347
I	L	11369	ADAMA LAMBDA BY VC 223	66222-223	H	L	41027	BRASH	1381-202
H	L	40595	AFG ORIGINAL	34704-889	H	L	40088	BROCLEAN	34704-891
H	L	40529	AFG PLUS	34704-890	H	L	40084	BROMAC	34704-886
H	L	41163	AGSCO 400 HERBICIDE	34704-991	H	L	41398	BROMAC ADVANCED	34704-1052
H	L	40948	AIM EC	279-3241	H	L	40723	BROMOX 2E	71368-69
H	L	40949	AIM EW	279-3242	H	L	40926	BRONATE ADVANCED HERBICIDE	264-690
H	D	41165	AIM HERBICIDE	279-3194	H	L	40651	BROX 2EC HERBICIDE	42750-48
H	L	41674	ALBAUGH D-638	42750-36	H	L	40325	BROX-M HERBICIDE	42750-52
H	L	40961	ALBAUGH DICAMBA DMA SALT	42750-40	H	L	41386	BUCCANEER 5 EXTRA HERBICIDE	55467-15
H	D	41474	ALLIGARE MSM 60	81927-7	H	L	70914	BUCCANEER GLYPHOSATE HERBICIDE	55467-10
F	L	70770	ALTO 100SL FUNGICIDE	100-1226	H	L	40648	BUCCANEER PLUS GLYPHOSATE HERBICIDE	55467-9
H	D	40493	AMBER HERBICIDE	100-701	F	L	70914	BUMPER 14.3 EC	53883-363
H	L	40478	AMINE 4 2,4-D WEED KILLER	34704-120	F	L	70490	BUMPER 41.8 EC (PROPICONAZOLE) FUNGICIDE	66222-42
H	L	40477	AMINE 400 2,4-D WEEK KILLER	2217-2	F	D	70480	CABRIO EG FUNGICIDE	7969-187
H	D	41472	AMTIDE MSM 60 DF	84229-42	F	L	70628	CARAMBA FUNGICIDE	7969-246
F	L	70905	AMTIDE PROPICONAZOLE 41.8% EC FUNGICIDE	38167-35	H	L	41252	CARNIVORE HERBICIDE	1381-249
F	L	70811	APROACH FUNGICIDE	352-840	H	L	40570	CLARITY HERBICIDE	7969-137
F	L	70810	APROACH PRIMA FUNGICIDE	352-883	H	L	41505	CLEAN SLATE	228-491
F	L	70959	APROVIA FUNGICIDE	100-1471	H	L	41238	CLEANSWEEP M HERBICIDE	71368-89
H	L	41021	ARROW 2 EC	66222-60	H	L	40256	CLETHODIM 2E	42750-72
H	L	41641	ARY-0484-101	66330-421	H	L	41234	CLOPYRALID MEA+2,4-D	42750-92
H	L	40136	ATRAZINE 4L HERBICIDE	35915-4	I	L	11241	COBALT	62719-575

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
I	L	11474	COBALT ADVANCED	62719-615	H	L	40009	FIVE-STAR	42750-49
H	L	40093	COLT	34704-895	F	L	70687	FLUOXASTROBIN 480 SC FUNGICIDE	66330-64
H	L	40890	COLT + SALVO	34704-1010	F	L	70259	FOLICUR 3.6 F FOLIAR FUNGICIDE	264-752
H	L	40933	COLT + SWORD HERBICIDE	34704-1011	F	L	70622	FOSPHITE FUNGICIDE	68573-2
H	L	41212	COLT AS	34704-1019	F	L	70867	FUNGI-PHITE	73771-5
H	L	41213	COMET SELECTIVE HERBICIDE	71368-87	I	L	10487	FURY 1.5 EW INSECTICIDE	279-3126
H	L	40916	CORNBELT SALVAN	11773-16	H	D	41202	GAUNTLET 70 DF HERBICIDE	279-3246
H	L	40941	CORNERSTONE	1381-191	H	L	41063	GF-1279	62719-517
H	L	40520	CORNERSTONE PLUS	1381-192	H	L	41136	GF-1280	62719-556
H	L	41328	CORNERSTONE PLUS 5	1381-241	H	D	41257	GF-2468	62719-643
H	L	41383	CROP\$MART GLYPHOSATE 41% EXTRA	85945-1	H	L	41198	GLY STAR GRASS & WEED KILLER CONCENTRATE	42750-67
F	L	70812	CRY-048 FUNGICIDE	66330-409	H	L	40675	GLYFOS X-TRA	4787-23
H	L	40465	CURTAIN M	62719-86	H	L	41067	GLYPHO 648	34704-929
H	D	40494	CUSTOM-PAK AMBER HERBICIDE	100-768	H	L	40950	GLYPHOSATE	34704-866
H	L	40965	DAGGER SELECTIVE HERBICIDE	228-267	H	L	40977	GLYPHOSATE 4 HERBICIDE	51036-312
I	L	11510	DECLARE	279-3571	H	L	41180	GLYPHOSATE 4 PLUS	81927-9
H	L	40643	DIABLO HERBICIDE	228-379	H	L	41023	GLYPHOSATE 41%	42750-60
H	L	40430	DICAMBA DMA 2# AG	66330-277	H	L	41420	GLYPHOSATE 41% HERBICIDE	87659-3
H	L	40962	DICAMBA DMA 4# AG	66330-276	H	L	41053	GLYPHOSATE 41% PLUS	42750-61
H	D	41123	DIMETRIC DF 75%	1381-197	H	L	41722	GLYPHOSATE 5.4	81927-8
H	L	40891	DISCOVER HERBICIDE	100-907	H	L	41011	GLYPHOSATE 53.8%	42750-59
H	L	41006	DISCOVER NG HERBICIDE	100-1173	H	L	40074	GOLDSKY HERBICIDE	62719-582
H	L	40154	DIURON 4L	66222-54	H	L	40506	GRAMOXONE INTEON	100-1217
H	L	41034	DOUBLE UP B+D	5905-552	H	L	41283	GRAMOXONE SL 2.0	100-1431
H	L	41740	DREXEL 2,4-DB DMA 2	19713-676	I	L	11168	GRIZZLY Z INSECTICIDE	1381-211
I	L	10041	DREXEL DIMETHOATE 4EC	19713-231	H	L	41209	HAT TRICK THREE WAY HERBICIDE	34704-1017
O	L	90752	DYNA-SHIELD Foothold	34704-1049	F	L	70549	HEADLINE FUNGICIDE	7969-186
H	L	40530	E-99	62719-365	H	L	41249	HELENA VISION	5905-576
H	D	41662	EDITION TANK MIX HERBICIDE	279-3566	I	L	11228	HERO INSECTICIDE	279-3315
H	L	40072	EH 1330 HERBICIDE	2217-813	H	L	41019	HM-2010	5905-542
H	L	40309	ESTERON GE HERBICIDE	62719-8	H	L	41216	HUSKIE COMPLETE	264-1135
H	L	40967	ET HERBICIDE/DEFOLIANT	71711-7	H	L	40065	HUSKIE HERBICIDE	264-1023
O	L	90633	ETHEPHON 2	85678-9	I	L	10351	KARATE 1EC	100-998
H	L	41207	EVEREST 2.0 HERBICIDE	66330-391	I	L	10739	KARATE INSECTICIDE WITH ZEON TECHNOLOGY	100-1097
H	D	40925	EVEREST 70% WATER DISPERSIBLE GRANULAR HERBICIDE	66330-49	I	L	11352	KENDO INSECTICIDE	74530-38
F	L	70765	EVITO T FUNGICIDE	66330-383	I	L	11362	LAMBDA-CY AG	83222-42
H	D	40011	EXPRESS HERBICIDE WITH TOTALSOL SOLUBLE GRANULES	279-9594	I	L	11294	LAMBDA STAR INSECTICIDE	71532-20
I	L	11354	F9144 EC INSECTICIDE	279-3426	H	L	41178	LATIGO	5905-564
I	L	11402	FASTAC EC	7969-298	F	L	70990	LIBERTY AZOXY 229	89168-41
F	L	70723	FITNESS FUNGICIDE	34704-1031	H	L	41366	LIBERTY GLYPHOSATE PLUS	89168-17

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
I	L	11370	LIBERTY LAMBDA-CY 1 EC	89168-16	O	L	90411	PALISADE EC	100-949
H	L	41251	LINEX <sup>®</sup> 4L AGRICULTURAL HERBICIDE	61842-21	H	L	41066	PARAQUAT CONCENTRATE	82542-3
I	L	10983	LORSBAN-4E	62719-220	H	L	41363	PARAQUAT SL HERBICIDE	82557-1
H	L	40623	LOW VOL ESTER 4 WEED KILLER	34704-124	H	L	41743	PARAZONE 3L HERBICIDE	5481-615
H	L	41726	LPI FENOXAPROP-P-ETHYL	34704-1092	H	D	40666	PEAK	100-763
H	L	40896	LV 400 2,4-D WEED KILLER	2217-77	F	D	70105	PENNCOZEB 75 DF	70506-185
H	L	40108	MAESTRO ADVANCED SELECTIVE HERBICIDE	71368-77	H	L	41642	PERFECTMATCH	62719-685
H	L	41024	MAESTRO D HERBICIDE	71368-39	I	L	11232	PERMASTER AG	71532-15
H	L	41138	MAKAZE YIELD-PRO	34704-1033	I	L	11247	PERMETHRIN	34704-873
H	D	41681	MAVERICK HERBICIDE	59639-223	H	L	40760	PLATEAU HERBICIDE	241-365
H	L	40400	MCP AMINE 4	34704-130	H	D	40085	PLOTTER AGRICULTURAL HERBICIDE	83100-3
H	L	40452	MCP ESTER 4 HERBICIDE	34704-992	H	L	41050	POAST PLUS HERBICIDE	7969-88
H	L	40055	MCP ESTER HERBICIDE	62719-573	H	D	40071	POWERFLEX	62719-569
H	L	40454	MCPA AMINE	1381-104	F	L	70727	PPZ AG-EC FUNGICIDE	83222-18
H	L	40457	MCPA-4 AMINE HERBICIDE	9779-262	O	D	20280	PRAMITOL 5PS PELLETTED HERBICIDE	66222-23
H	L	40589	MCPA ESTER 4	42750-23	H	L	41739	PRE-PARE SC HERBICIDE	66330-396
H	L	40455	MCPA-4 AMINE	228-143	F	L	70916	PRIAXOR D FUNGICIDE	7969-361
H	L	40616	MCPE PHENOXY HERBICIDE	1381-98	F	L	70764	PRIAXOR XEMIIUM BRAND FUNGICIDE	7969-311
H	L	41116	METRI 4F HERBICIDE	70506-68	I	L	11516	PROAXIS	279-3583
H	D	40175	METRI DF	70506-103	F	L	70552	PROCURE 480SC	400-518
H	D	41256	METRIBUZIN 75	34704-876	F	L	70610	PROLINE 480 SC FUNGICIDE	264-825
H	L	41031	MEXTROL EC HERBICIDE	71368-28	H	L	40518	PROPAZINE 4L	42750-148
H	L	40083	MILESTONE	62719-519	F	L	70767	PROPICONAZOLE 41.8% EC	42750-211
F	L	70624	MONSOON	34704-900	F	L	70485	PROPICONAZOLE EC	62719-346
F	L	70766	MULTIVA FUNGICIDE	7969-247	F	L	70910	PROPULSE	264-1084
F	L	70981	NEXICOR XEMIIUM BRAND FUNGICIDE	7969-380	F	L	70609	PROSARO 421 SC FUNGICIDE	264-862
H	D	41533	NIMBLE HERBICIDE	279-3560	H	L	40655	PROWL 3.3 EC HERBICIDE	241-337
H	D	41715	NUANCE HERBICIDE	279-3555	H	L	40892	PUMA 1EC HERBICIDE	264-666
H	L	40975	NUFARM CREDIT HERBICIDE	71368-20	H	L	40059	PUMA ULTRA HERBICIDE	264-1073
H	L	41250	NUFARM KAMBAMASTER HERBICIDE	71368-34	F	L	70689	QUADRIS TOP FUNGICIDE	100-1313
F	L	70073	NUFARM PROPICONAZOLE 41.8 EC FUNGICIDE	228-670	H	L	41713	QUELEX	62719-661
H	L	41217	NUP-08131 SELECTIVE HERBICIDE	71368-93	F	L	70525	QUILT FUNGICIDE	100-1178
H	L	41399	OD 70 HERBICIDE	264-1062	F	L	70726	QUILT XCEL FUNGICIDE	100-1324
H	D	40501	OLYMPUS 70% WATER DISPERSIBLE	264-809	I	L	11230	RADIANT SC INSECTICIDE	62719-545
H	D	40304	OLYMPUS FLEX HERBICIDE	264-833	O	L	90567	RADIATE	34704-909
F	L	70630	ONSET 3.6L	1381-203	H	L	40886	RANGE STAR	42750-55
H	L	40066	ORION HERBICIDE	100-1307	H	D	41717	RAPPORT BROADSPEC HERBICIDE	71368-79
H	D	41018	OSPREY HERBICIDE	264-802	H	D	41244	RAPPORT TANK MIX HERBICIDE	71368-80
H	L	41008	OUTLAW	42750-68	H	D	40827	RAVE HERBICIDE	100-927
H	L	40932	OUTLOOK HERBICIDE	7969-156	H	L	40509	RD 1617 HERBICIDE	524-549
O	L	90671	PALISADE 2EC	100-1241	H	D	41485	REPORT EXTRA HERBICIDE	279-3563

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H	L	40194	RHOMENE MCPA AMINE HERBICIDE	11685-19	H	L	41317	STRUT HERBICIDE	34704-1043
H	L	40370	RHONOX MCPA LOW VOLATILE ESTER HERBICIDE	11685-21	F	L	70752	SULFORIX	61842-31
H	L	40620	RIFLE HERBICIDE	34704-861	I	D	10613	SUNGRO COMBO SULFUR DUSTING & SPRAYING	5905-545
H	L	40619	RIFLE-D HERBICIDE	34704-869	H	D	41210	SUPREMACY HERBICIDE	66330-406
H	D	40523	RIMFIRE HERBICIDE	264-847	H	L	41721	TALINOR	100-1570
H	D	41248	RIMFIRE MAX HERBICIDE	264-1099	F	L	70698	TEBUCONAZOLE 3.6 F FUNGICIDE	70506-114
F	L	70713	ROTAM TEBUCONAZOLE 3.6F AGRICULTURAL FUNGICIDE	83100-1	F	L	70699	TEBUCONAZOLE 3.6FL	42750-99
H	L	41004	ROUNDUP CUSTOM HERBICIDE	524-343	F	L	70982	THIOPHANATE METHYL 4.5F AG	87373-10
H	L	40661	ROUNDUP EXPORT HERBICIDE	524-308	H	D	41692	TIDE MSM 60 DF HERBICIDE	84229-8
H	L	40942	ROUNDUP HERBICIDE	524-445	F	L	70769	TIDE PROPICONAZOLE 41.8% EC FUNGICIDE	84229-11
H	L	41007	ROUNDUP ORIGINAL 2K HERBICIDE	524-539	F	L	70987	TIGRIS AZOXY 2SC	92647-2
H	L	41162	ROUNDUP ORIGINAL II HERBICIDE	524-454	F	L	70072	TILT	100-617
H	L	40653	ROUNDUP PRO CONCENTRATE	524-529	H	L	41344	TOMAHAWK 4	33270-18
H	L	41096	ROUNDUP PROMAX	524-579	H	L	41225	TOMAHAWK 5	33270-15
H	L	40905	ROUNDUP READY-TO-USE WEED & GRASS KILLER	71995-8	I	L	10978	TOMBSTONE	34704-912
H	D	40841	ROUNDUP ULTRA DRY	524-504	I	L	11173	TOMBSTONE HELIOS	34704-978
H	L	41159	ROUNDUP ULTRA HERBICIDE	524-475	H	L	41318	TOP GUN	34704- 1058
H	L	40842	ROUNDUP ULTRAMAX	524-512	H	L	41585	TORDON 101 MIXTURE	62719-5
H	L	40519	ROUNDUP VM HERBICIDE	524-544	H	L	40388	TORDON 22K SPECIALTY HERBICIDE	62719-6
H	L	41737	RUGGED HERBICIDE	1381-247	H	L	40918	TOUCHDOWN HERBICIDE	100-1117
H	L	40766	SABER HERBICIDE	34704-803	H	L	40238	TOUCHDOWN TOTAL	100-1169
H	L	40372	SALVO	34704-609	H	L	40174	TRIALATE/FAR-GO HERBICIDE	10163-286
F	L	70823	SATORI FUNGICIDE	34704-1068	F	L	70978	TRIVAPRO FUNGICIDE	100-1613
H	D	40209	SENCOR DF 75% DRY FLOWABLE HERBICIDE	264-738	H	L	41206	TRUMPCARD	5905-581
F	L	70743	SHAR-GUARD	83529-22	H	L	41392	TRUSLATE PRO HERBICIDE	71368-88
H	L	41135	SHARPEN POWERED BY KIXOR HERBICIDE	7969-278	H	L	41694	TRUSLATE SELECTIVE HERBICIDE	71368-86
H	L	41396	SHREDDER 2,4-D LVG	1381-250	I	L	11513	TUNDRA SUPREME	1381-243
I	L	10158	SILENCER	66222-104	H	D	40014	VALOR HERBICIDE	59639-99
H	L	41588	SIMPLICITY	62719-568	H	L	41471	VENDETTA HERBICIDE	2935-552
H	L	41683	SPITFIRE HERBICIDE	71368-109	H	D	41738	VICTORY HERBICIDE	71368-75
H	L	40937	STARANE + SABER	34704-1012	H	L	41221	VIDA HERBICIDE	10163-314
H	L	41215	STARANE FLEX	62719-604	H	D	41255	VOLTA AGRICULTURAL HERBICIDE	83100-9
H	L	40060	STARANE ULTRA	62719-577	H	L	41528	VOUCHER HERBICIDE	5905-585
H	L	40875	STERLING	1381-190	I	L	11321	WARHAWK	34704-857
H	L	41348	STERLING BLUE	1381-248	I	L	11167	WARRIOR II WITH ZEON TECHNOLOGY	100-1295
H	L	40425	STINGER	62719-73	I	L	11038	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	100-1112
F	L	70473	STRATEGO FUNGICIDE	264-779	H	L	40096	WEEDAR 64 BROADLEAF HERBICIDE	71368-1
F	L	70768	STRATEGO YLD FUNGICIDE	264-1093	H	L	40404	WEEDONE 638 BROADLEAF HERBICIDE	71368-3

**CHEMICALS and PESTICIDES for BARLEY**

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 - Wetttable Powder,  
 WDG or WG = Water-Dispersible Granules, WSP = Water-Soluable Packets

Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
H	L	40406	WEEDONE LV4 BROADLEAF HERBICIDE	71368-14	H	L	40070	WOLVERINE HERBICIDE	264-1075
H	L	41236	WELD HERBICIDE	1381-246	I	L	10903	Z-CYPE 0.8 EC INSECTICIDE	279-3249
H	L	41529	WHITEOUT 2,4-D	34704-1032	H	D	41285	ZIDUA HERBICIDE	7969-338
H	L	41013	WIDEMATCH HERBICIDE	62719-512	H	L	41733	ZIDUA SC HERBICIDE	7969-374
H	L	41035	WILDCARD XTRA	5905-550	O	D	90097	ZP RODENT BAIT AG	12445-17
I	L	11372	WILLOWOOD LAMBDA-CY 1 EC	87290-24					

**CONVERSION FACTORS for LIQUID and DRY PRODUCTS**

Liquid Products	Dry Products
1 Gallon = 4 Quarts	1 Lb = 16 oz
1 Gallon = 2.785 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