



2024 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>.

Sincerely,

Joseph L. Parsons
Chair, Agricultural Statistics Board
Enclosure

2024 Regional Field Offices - Sampled States by Region

Sorghum Production Practices Report - PPR

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FERTILIZER/PESTICIDE APPLICATION METHODS

Section C, column 6 & Section D, Column 9

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| <ol style="list-style-type: none">1 Broadcast, ground without incorporation2 Broadcast, ground with incorporation3 Broadcast, by aircraft4 In seed furrow5 In irrigation water6 Chisel/injected or knifed in7 Banded in or over row8 Foliar or directed spray9 Spot treatments (Section D only) |
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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 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 SORGHUM

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 [®] 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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 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-Soluble Packets

| Form | Class | Code | Product Name | EPA # | Form | Class | Code | Product Name | EPA # |
|------|-------|-------|---------------------------------------------------|------------|------|-------|-------|---------------------------------------------|----------------|
| 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 SORGHUM

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,
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| 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 |