



## 2021 Corn 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 In accordance with federal law, your responses will not be published in identifiable form.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](https://nass.usda.gov/go/arms).

Sincerely,

Joseph L. Parsons  
Chair, Agricultural Statistics Board  
Enclosure

## 2021 CORN SAMPLED STATES by REGION

EASTERN MOUNTAIN	GREAT LAKES	HEARTLAND
<ul style="list-style-type: none"> <li>• Kentucky</li> <li>• North Carolina</li> </ul>	<ul style="list-style-type: none"> <li>• Indiana</li> <li>• Ohio</li> <li>• Michigan</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois</li> <li>• Missouri</li> </ul>

MOUNTAIN	NORTHEASTERN	NORTHERN PLAINS
<ul style="list-style-type: none"> <li>• Colorado</li> </ul>	<ul style="list-style-type: none"> <li>• New York</li> <li>• Pennsylvania</li> </ul>	<ul style="list-style-type: none"> <li>• Kansas</li> <li>• Nebraska</li> <li>• North Dakota</li> <li>• South Dakota</li> </ul>

SOUTHERN	SOUTHERN PLAINS	UPPER MID-WEST
<ul style="list-style-type: none"> <li>• Georgia</li> </ul>	<ul style="list-style-type: none"> <li>• Texas</li> </ul>	<ul style="list-style-type: none"> <li>• Iowa</li> <li>• Minnesota</li> <li>• Wisconsin</li> </ul>

**SEED TREATMENT NAME AND CODE LIST**

Section B, Item 15A and 15b

<b>Product Code</b>	<b>Product Trade Name</b>
279	42-S Thiram
280	Abpro™ (component B)
281	Acceleron
282	Acceleron® B-300
283	Acceleron® D-281
284	Acceleron® D-281 Basic
285	Acceleron® D-281 Elite
286	Acceleron® D-342
287	Acceleron® D-342 Basic
288	Acceleron® D-342 Elite
289	Acceleron® D-805
290	Acceleron® DX-109
291	Acceleron® DX-309
292	Acceleron® DX-309 Basic
293	Acceleron® DX-309 Elite
294	Acceleron® DX-509
295	Acceleron® DX-709
296	Acceleron™ Basic
297	Acceleron™ DC-309
405	Acceleron™ DC-509
298	Acceleron™ DX-612
299	Acceleron™ ELITE plus
300	Acceleron™ HX-209
301	Acceleron™ IC-609
302	Acceleron™ IC-609 (250)
303	Acceleron™ IC-609 (500)
305	Acceleron™ IX-409
306	Acceleron™ NemaStrike ST
307	Acceleron™ Poncho® 1250 VOTIVO™
308	Acceleron™ Poncho® VOTIVO™ 1250
309	Acceleron™ Poncho® VOTIVO™ 500
311	Acquire™
312	Actinogro™ ST
313	Actinogrow
315	Actinovate® SP
316	Actinovate® STP
318	Agri Star
319	Agri Star Azoxystrobin 100 ST
320	Agri Star Fludioxonil® 4L ST
321	Agri Star Metalaxyl® 265 ST
324	Agri Star® Macho™ 600 ST
325	Agri Star® TebuStar® 250 ST

<b>Product Code</b>	<b>Product Trade Name</b>
327	Agrisolutions
328	Agrisolutions™ Concur™
329	Agrisolutions™ Nitro Shield®
330	Allegiance
100	Allegiance® Dry
101	Allegiance® FL
102	Allegiance® LS
332	AmTide
333	AmTide Tebu 3.6F
334	Apron
103	Apron® XL
335	Armortech® Teb 360 XL
336	Ascend™
337	Ascend™ PRO
338	Ascend™ SL
340	Attendant
342	Attendant® 600
344	Aveo EZ
345	Avicta
346	Avicta® 500FS
347	Avicta® Complete 250
348	Avicta® Complete 500
350	Avicta® Complete w/ Vibrance®
351	Avicta® Duo
352	Avicta® Duo 250
356	AXCESS™
357	Axiom®
358	AXYL-SHIELD ST
359	A-Zox 25SC
360	Ballard Plus
361	Bastion
363	Belmont
364	Belmont™ 2.7 FS
365	BIO ST Insecticide 100
366	BIO ST Nematicide 101
367	BioRise 2
368	BioRise 360 ST
369	Bonide Mancozeb w/ Zinc Concentrate
370	Cabrio™ EG
371	Captan
105	Captan 400
106	Captan 400-C

**SEED TREATMENT NAME AND CODE LIST (continued)**

Section B, Item 15a and 15b

<b>Product Code</b>	<b>Product Trade Name</b>
372	Captan 4L
374	Consensus™ Seed Treatment
376	Cruiser
377	Cruiser Extreme®
378	Cruiser Maxx® 1250
379	Cruiser Maxx® 250
380	Cruiser Maxx® 500
381	Cruiser Vibrance
383	Cruiser® 5FS
385	Cygin
158	Dithane
115	Dithane M45®
160	Dithane® 75DF Rainshield®
113	Dithane® DF Rainshield®
114	Dithane® F45 Rainshield®
116	Dividend Extreme®
389	DoubleNickel 55 Biofungicide
163	Dyna-Shield
118	Dyna-Shield® Fludioxonil
165	Dyna-Shield® Imidacloprid 5
121	Dyna-Shield® Metalaxyl
122	Dyna-Shield® Metalaxyl 318 FS
391	Dyna-Shield® Tibet
124	Dynasty®
169	Ernesto Prime
170	Employ®
171	Employ® H&T
125	EverGol™ Energy
172	EverGol™ Energy SB
399	Fastand
174	Flint®
400	Fluoxastrobin ST
401	Fortenza®
175	Gaicho
176	Gaicho® 480 Flowable
177	Gaicho® 600 Flowable
178	Gaicho® SB Flowable
179	Grandevo®
180	Grandevo® PTO
407	Grandevo® ST
184	Heads Up® Seed Treatment
182	Heads Up® Plant Protectant

<b>Product Code</b>	<b>Product Trade Name</b>
185	HM-1345 Flowable
408	Hone
409	Inceptive
410	Intego™ Solo
186	Integral®
187	Kernel Guard
188	Kernel Guard® Supreme
189	KickStand
190	KickStand™ PGR
191	Kodiak®
414	L-2012 R
415	L-2013 P
192	Latitude
193	Lesco® Flowable Mancozeb
194	Lorsban® 50W
417	Lumialza
418	Lumiante
419	Lumiflex
420	LumiGEN IST 1250
421	LumiGEN IST 250
422	LumiGEN IST 500
423	Lumisure
424	Lumisure/Lumivia 500
195	Lumivia™
196	Macho® 480 ST
198	Manzate ProStick™
197	Manzate® Flowable
426	Manzate® Max
199	Massivo™ Bionik™
200	Maxim
131	Maxim® 4 FS
202	Maxim® Quattro
132	Maxim® XL
427	MBI-106 12 Biofungicide
204	Messenger® Gold
205	Metalaxyl 4.0 ST
206	Metastar™ ST
207	Metlock®
208	Metlock® Ct
430	My Yield FX1
431	My Yield FX2
209	Mycostop®

**SEED TREATMENT NAME AND CODE LIST (continued)**

Section B, Item 15a and 15b

<b>Product Code</b>	<b>Product Trade Name</b>
210	N-Hibit
211	N-Hibit® Gold CST
212	N-Hibit® HX-209
213	NipsIt
134	NipsIt INSIDE®
434	Nitro Shield IV
438	Orius 3.6F
439	Pacer
215	Penncozeb
216	Penncozeb® 4FL
136	Penncozeb® 75DF
137	Penncozeb® 80WP
440	Periscope
220	Pilot™ 4e
221	Poncho
441	Poncho® 1250
442	Poncho® 1250 VOTiVO™
443	Poncho® 250
222	Poncho® 600
223	Poncho® VOTiVO™
444	Poncho® VOTiVO™ 1250
445	Poncho® VOTiVO™ 2.0
446	PPCT 2012 Purple Biofungicide
447	PPCT 2012 Red Biofungicide
448	PPST 250
449	PPST 500
450	PPST Poncho VOTiVO™ 1250
451	PPST Raxil FL
224	ProAct®
225	Proline 480 SC
226	Protégé
227	Protégé™ FL
228	Provoke ST
229	Rancona
230	Rancona® 3.8 FS
143	Rancona® V 100 Pro FS
145	Raxil® 2.6F
460	Raxil® 4F
463	Realize
464	Redigo 480
232	Regalia®
233	Regalia® PTO

<b>Product Code</b>	<b>Product Trade Name</b>
234	Regalia® Rx
235	Release® LC
466	Resonate 480 ST
467	Resonate 600 ST
468	Revize Imida ST
236	Rizolex™
471	Rootshield® PLUS WP
237	Rootshield® WP
239	Sativa
240	Sativa™ 309 FS
241	Sativa™ 318 FS
238	S-Clopid 4 AG
242	Sebring
243	Sebring™ 2.65 ST
244	Sebring™ 318 FS
245	Sebring™ 480 FS
246	Senator
247	Senator® 600 FS
248	Serenade® ASO
249	Sharda Imidacloprid 5SC
250	Signet
251	Signet™ 480 FS
485	Soil Triggrr®
486	Soil X-Cyto®
252	Sonata®
253	Spirato™ 480 FS
488	Stamina®
492	STart UP™ AZOXY
493	STart UP™ FLUDI
494	STart UP™ IMIDA
495	STart UP™ MANZB
496	STart UP™ METXL
497	STart UP™ TEBUZ
499	Stimulate™ Yield Enhancer
502	Subtilex® NG
254	T-22™ HC
255	Taegro®
505	Teb ST
256	Tebucon 3.6F
257	Tebuconazole 3.6
258	Tebuconazole 3.6 Select
259	Tebu-Crop 3.6F

**SEED TREATMENT NAME AND CODE LIST (continued)**

Section B, Item 15a and 15b

<b>Product Code</b>	<b>Product Trade Name</b>
260	Tebucure Fungicide 3.6
261	Tebusha
262	Tebuzol
263	Tebuzol™ 3.6F
507	Thiram® 480 DP
264	Thiram® Granuflo
508	Thiram® SC
265	Toledo® 3.6F
509	Torque XL
510	Treble
511	Triad
266	Trilex
267	Trilex® 2000
268	Trilex® Flowable
515	Trizon ST

<b>Product Code</b>	<b>Product Trade Name</b>
516	Trunemco
517	Varnimo-ST
269	Vault
270	Vault® HP
271	Vibe
154	Vibrance™
518	Vibrance™ Cinco
273	Vitaflo
274	Vitaflo™ 280
275	Vortex®
276	VOTIVO™ FS
530	Willowood Teb 3.6SC
277	X-Cyte
278	Yield Shield®

**COMMERCIAL SEED PRODUCT NAME AND CODE LIST**

Section B, Item 16a and 16b

<b>Product Code</b>	<b>Product Trade Name</b>
101	Agrisure 3000GT
102	Agrisure 3010
103	Agrisure 3120 E-Z Refuge
104	Agrisure 3120-Liberty Link E-Z Refuge
105	Agrisure 3122 E-Z Refuge
106	Agrisure Artesian - Conventional
107	Agrisure Artesian 3010A
108	Agrisure Artesian 3011A
109	Agrisure Artesian 3120A E-Z Refuge
110	Agrisure Artesian 3120A-Liberty Link E-Z Refuge
111	Agrisure Artesian 4011
112	Agrisure Artesian GTA/Liberty Link
113	Agrisure Artesian GTA
114	Agrisure Corn Borer/Liberty Link
115	Agrisure Corn Borer/Liberty Link/Clearfield
116	Agrisure Corn Borer/Liberty Link/Rootworm
117	Agrisure Duracade 5122
118	Agrisure Duracade 5122 E-Z Refuge
119	Agrisure Duracade 5122A
120	Agrisure Duracade 5122A E-Z Refuge
121	Agrisure Duracade 5222
122	Agrisure Duracade 5222 E-Z Refuge
123	Agrisure Duracade 5222A
124	Agrisure Duracade 5222A E-Z Refuge
125	Agrisure Glyphosate Tolerant
126	Agrisure Glyphosate Tolerant/Corn Borer/Liberty Link
127	Agrisure Glyphosate Tolerant/Liberty Link
128	Agrisure Glyphosate Tolerant/Rootworm
129	Agrisure Rootworm
130	Agrisure Viptera 3110
131	Agrisure Viptera 3110A
132	Agrisure Viptera 3111
133	Agrisure Viptera 3111A
134	Agrisure Viptera 3220 E-Z Refuge
135	Agrisure Viptera 3220A E-Z Refuge
136	Agrisure Viptera 3330 E-Z Refuge
137	Agrisure Viptera 3330A E-Z Refuge
138	Bt (European Corn Borer)
139	Bt (European Corn Borer)/Clearfield
140	Bt (European Corn Borer)/Liberty Link
141	Bt (European Corn Borer)/Liberty Link/Clearfield

<b>Product Code</b>	<b>Product Trade Name</b>
142	Bt (European Corn Borer)/Roundup Ready
143	Clearfield
144	Conventional
145	DroughtGard VT2 Pro
146	DroughtGard VT2 Pro RIB
147	DroughtGard VT3 Pro
148	DroughtGard VT3 Pro RIB
149	Herculex I/Liberty Link
150	Herculex I/Liberty Link/Clearfield
151	Herculex I/Liberty Link/Roundup Ready 2
152	Herculex Rootworm/Liberty Link
153	Herculex Rootworm/Liberty Link/Roundup Ready 2
154	Herculex XTRA/Liberty Link
155	Herculex XTRA/Liberty Link/Roundup Ready 2
156	Liberty Link
157	Liberty Link/Clearfield
158	Not Applicable
159	Optimum AcreMax
160	Optimum AcreMax 1
161	Optimum AcreMax Leptra
162	Optimum AcreMax RW
163	Optimum AcreMax TRIsect
164	Optimum AcreMax Xtra
165	Optimum AcreMax Xtreme
166	Optimum AcreMax-R
167	Optimum Intrasect
168	Optimum Intrasect Xtra
169	Optimum Intrasect XTreme
170	Optimum Leptra
171	Optimum TRIsect
172	PowerCore
173	PowerCore Refuge Advanced
174	PowerCore/Enlist
175	Qrome
176	Roundup Ready (Glyphosate Tolerant)
177	Roundup ready Corn 2
178	Roundup Ready Corn 2/Enlist
179	SmartStax
180	SmartStax RA
181	SmartStax RIB
182	SmartStax/Enlist

**COMMERCIAL SEED PRODUCT NAME AND CODE LIST (continued)**

Section B, Item 16a and 16b

<b>Product Code</b>	<b>Product Trade Name</b>
142	Bt (European Corn Borer)/Roundup Ready
143	Clearfield
144	Conventional
145	DroughtGard VT2 Pro
146	DroughtGard VT2 Pro RIB
147	DroughtGard VT3 Pro
148	DroughtGard VT3 Pro RIB
149	Herculex I/Liberty Link
150	Herculex I/Liberty Link/Clearfield
151	Herculex I/Liberty Link/Roundup Ready 2
152	Herculex Rootworm/Liberty Link
153	Herculex Rootworm/Liberty Link/Roundup Ready 2
154	Herculex XTRA/Liberty Link
155	Herculex XTRA/Liberty Link/Roundup Ready 2
156	Liberty Link
157	Liberty Link/Clearfield
158	Not Applicable
159	Optimum AcreMax
160	Optimum AcreMax 1
161	Optimum AcreMax Leptra
162	Optimum AcreMax RW
163	Optimum AcreMax TRIssect
164	Optimum AcreMax Xtra
165	Optimum AcreMax Xtreme
166	Optimum AcreMax-R
167	Optimum Intrasect
168	Optimum Intrasect Xtra
169	Optimum Intrasect XTreme
170	Optimum Leptra
171	Optimum TRIssect
172	PowerCore

<b>Product Code</b>	<b>Product Trade Name</b>
173	PowerCore Refuge Advanced
174	PowerCore/Enlist
175	Qrome
176	Roundup Ready (Glyphosate Tolerant)
177	Roundup ready Corn 2
178	Roundup Ready Corn 2/Enlist
179	SmartStax
180	SmartStax RA
181	SmartStax RIB
182	SmartStax/Enlist
183	Sethoxydim Resistant (SR)
184	Trecepta
185	Trecepta RIB
186	VT Double Pro
187	VT Double Peo RIB
188	VT Triple Pro
189	VT Triple Pro RIB
190	Yieldgard Plus (YG PL)
191	Yieldgard Plus/Clearfield (YG PL/CL)
192	Yieldgard Plus/Roundup Ready 2 (YG PL/RRC 2)
193	Yieldgard Corn Borer (YGCB)
194	Yieldgard Corn Borer/Clearfield (YGCB/CL)
195	Yieldgard Corn Borer/Glyphosate Tolerance (YGCB/GT)
196	Yieldgard Corn Borer/Herculex/Liberty Link/Roundup Ready 2 (YGCB/HX1/LL/RR2)
197	Yieldgard Corn Borer/Roundup Ready 2 (YGCB/RRC 2)
198	Yieldgard Rootworm (YGRW)
199	Yieldgard Rootworm/Clearfield (YGRW/CL)
200	Yieldgard Rootworm/Roundup Ready (YGRW/RR)
201	Yieldgard Rootworm/Roundup Ready 2 (YGRW/RRC 2)
202	Yieldgard VT Rootworm/Roundup Ready 2 (YGVT RW/RR2)
203	Yieldgard VT Triple (YGVT3)



**FEDERAL CROP INSURANCE COVERAGE**

Section B, Item 50a

- 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 &amp; 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, 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 CORN**

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, 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	40538	2,4-D AMINE 4	1381-103	L	H	40477	AMINE 400 2,4-D WEED KILLER	2217-2
L	H	40752	2,4-D AMINE 6	42750-21	D	O	90364	APOGEE PLANT GROWTH REGULATOR	7969-188
L	H	41501	2,4-D AMINE WEED KILLER	84009-4	L	I	10914	ARCTIC 3.2 EC	1381-187
L	H	40390	2,4-D L.V. 4 ESTER	228-139	L	H	41316	ARMEZON HERBICIDE	7969-262
L	H	40936	2,4-D L.V. 6 ESTER	228-95	L	H	41633	ARMEZON PRO	7969-372
L	H	40021	2,4-D LV 6	42750-20	L	H	41321	ARY 0411-004 HERBICIDE	66330-414
L	H	40378	2,4-D LV ESTER 4	5905-90	L	H	40138	ATRAZINE 4L	1381-158
L	H	40657	2,4-D LV4	1381-102	L	H	40136	ATRAZINE 4L HERBICIDE	35915-4
L	H	40580	2,4-D LV6	1381-101	D	H	40148	ATRAZINE 90 HERBICIDE	35915-3
L	H	41271	2,4-DB 175	2749-126	D	H	40147	ATRAZINE 90 WDG HERBICIDE	34704-622
L	H	41229	2,4-DB 200	1381-215	D	H	40150	ATRAZINE 90DF	66222-37
L	H	41589	2,4-DB 200 WEED KILLER	2749-516	D	H	40771	AUTHORITY 75 DF HERBICIDE	279-3148
L	F	70389	3336 F	1001-69	D	H	40693	AUTHORITY BROADLEAF HERBICIDE	279-3179
L	F	71007	A19649 CROP	100-1601	D	H	41240	AUTHORITY FIRST HERBICIDE	279-3195
L	F	71062	A20259 CROP	100-1602	L	H	41219	AUTHORITY IMI (F7119 4 SC) HERBICIDE	279-3330
L	F	71061	A21461 CROP	100-1605	L	H	41657	AX-GLY 2X	89167-47
L	H	41848	A21472 PLUS VAPORGRIP TECHNOLOGY	100-1623	L	F	70945	AZOXYSTROBIN 22.9% SC	42750-261
L	H	40128	AATREX 4L HERBICIDE	100-497	D	I	11310	AZTEC 2.1% GRANULAR INSECTICIDE	5481-9030
D	H	40143	AATREX NINE-O HERBICIDE	100-585	D	H	40107	BALAN DRY FLOWABLE	34704-746
L	F	70709	ABOUND FLOWABLE FUNGICIDE	100-1098	L	H	41118	BALANCE FLEXX HERBICIDE	264-1067
L	F	70780	ABSOLUTE 500 SC FUNGICIDE	264-849	L	H	40893	BALANCE PRO HERBICIDE	264-600
L	H	41164	ACCORD HERBICIDE	524-326	L	H	41028	BANVEL + 2,4-D	66330-287
L	H	40023	ACCORD XL HERBICIDE	524-517	L	H	41061	BANVEL + ATRAZINE	66330-286
D	I	10653	ACEPHATE 90 SP	70506-2	L	H	40632	BARRAGE HF	5905-529
D	I	11346	ACEPHATE 90 WDG	34704-1051	L	F	70695	BAS 556 SC	7969-291
D	I	10979	ACEPHATE 90SP	66330-356	L	H	40871	BASAGRAN HERBICIDE	7969-45
D	I	10972	ACEPHATE 97UP INSECTICIDE	70506-8	L	I	11046	BAYTHROID XL	264-840
L	H	41539	ACF900 Herbicide	524-614	L	I	11393	BESIEGE INSECTICIDE	100-1402
L	H	41618	ACURON HERBICIDE	100-1466	L	H	40726	BICEP II MAGNUM HERBICIDE	100-817
L	H	41644	ACURON FLEXI	100-1568	L	H	40727	BICEP LITE II MAGNUM HERBICIDE	100-827
L	I	11130	ADMIRE 2 FLOWABLE INSECTICIDE	264-758	L	I	11360	BIFEN 2EC AG INSECTICIDE/MITICIDE	83222-1
L	H	41651	AF302672 HERBICIDE	524-620	L	I	11032	BIFENTURE EC AGRICULTURAL INSECTICIDE	70506-57
L	H	40595	AFG ORIGINAL	34704-889	L	H	40458	BOUNDARY 6.5EC HERBICIDE	100-1162
L	H	40529	AFG PLUS	34704-890	L	F	70994	BRAVO 720	66222-276
D	F	70809	AFLA-GUARD GR	100-1469	D	F	70993	BRAVO 825 AGRICULTURAL FUNGICIDE	66222-277
L	H	40948	AIM EC	279-3241	L	I	11123	BRIGADE 2EC INSECTICIDE/MITICIDE	279-3313
L	H	40961	ALBAUGH DICAMBA DMA SALT	42750-40	L	H	41386	BUCCANEER 5 EXTRA HERBICIDE	55467-15
L	F	70770	ALTO 100SL FUNGICIDE	100-1226	L	H	40951	BUCCANEER GLYPHOSATE HERBICIDE	55467-10
L	H	41776	AM900 PREMIX HERBICIDE	524-636	L	H	40648	BUCCANEER PLUS GLYPHOSATE HERBICIDE	55467-9
L	H	40478	AMINE 4 2,4-D WEED KILLER	34704-120	L	H	40263	BUTYRAC 175	42750-39

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	H	40264	BUTYRAC 200 BROADLEAF HERBICIDE	42750-38	L	H	40746	DUAL II MAGNUM HERBICIDE	100-818
L	H	41129	CADET HERBICIDE	279-3338	L	H	40745	DUAL MAGNUM HERBICIDE	100-816
D	H	40770	CADRE DG PEANUT HERBICIDE	241-381	D	H	41313	DUPONT INSTIGATE HERBICIDE	352-873
L	H	40769	CADRE HERBICIDE	241-364	L	H	41716	DUPONT ABUNDIT EDGE HERBICIDE	352-922
L	H	41803	CALLISTO GT	100-1470	D	H	41121	DUPONT ACCENT Q HERBICIDE	352-773
L	H	40917	CALLISTO HERBICIDE	100-1131	L	F	70811	DUPONT APPROACH FUNGICIDE	352-840
L	H	41333	CALLISTO XTRA	100-1359	L	F	70810	DUPONT APPROACH PRIMA FUNGICIDE	352-883
L	H	40119	CAPAROL 4L HERBICIDE	100-620	D	H	41323	DUPONT BASIS BLEND HERBICIDE	352-854
L	H	41119	CAPRENO HERBICIDE	264-1063	L	H	41315	DUPONT BREAKFREE HERBICIDE	352-722
L	I	11031	CAPTURE 2 EC INSECTICIDE/MITICIDE	279-3069	D	H	40265	DUPONT CANOPY HERBICIDE	352-444
L	I	11280	CAPTURE LFR SOIL INSECTICIDE	279-3302	L	H	40954	DUPONT CINCH ATZ HERBICIDE	352-624
L	O	90682	CAVALIER 2L	89799-1	L	H	41020	DUPONT CINCH ATZ LITE HERBICIDE	352-623
L	H	41089	CHARGER MAX ATZ	1381-199	D	H	40274	DUPONT CLASSIC HERBICIDE	352-436
L	H	41389	CHEETAH HERBICIDE	71368-112	D	H	41233	DUPONT ENLITE HERBICIDE	352-757
L	F	70304	CHLOROTHALONIL 4L	9779-270	D	H	41200	DUPONT ENVIVE HERBICIDE	352-756
L	F	70946	CHLOROTHALONIL 720SC	92044-2	L	H	41792	DUPONT EVERPREX HERBICIDE	352-923
L	H	40570	CLARITY HERBICIDE	7969-137	L	H	41710	DUPONT FEXAPAN HERBICIDE	352-913
L	H	41289	CLETHODIM 2 EC HERBICIDE	83222-30	L	F	70777	DUPONT FONTELIS FUNGICIDE	352-834
L	H	40256	CLETHODIM 2E	42750-72	D	H	41228	DUPONT LEADOFF HERBICIDE	352-853
L	I	11474	COBALT ADVANCED	62719-615	D	H	41309	DUPONT REALM Q HERBICIDE	352-837
L	H	40276	COBRA HERBICIDE	59639-34	D	H	41134	DUPONT RESOLVE Q HERBICIDE	352-777
L	I	10008	COMITE	400-104	D	H	41634	DUPONT REVULIN Q HERBICIDE	352-900
L	I	10527	COMITE II	400-154	D	H	41150	DUPONT STEADFAST Q HERBICIDE	352-774
L	H	40941	CORNERSTONE	1381-191	D	H	41388	DUPONT TRIVENCE HERBICIDE	352-887
L	H	40520	CORNERSTONE PLUS	1381-192	L	F	70500	ECHO 720	60063-7
L	H	41328	CORNERSTONE PLUS 5	1381-241	L	F	70956	ELATUS FUNGICIDE	100-1480
L	H	41117	CORVUS HERBICIDE	264-1066	L	I	11274	ENDIGO ZC	100-1276
D	I	11416	COUNTER 20G	5481-562	L	H	41712	ENGENIA HERBICIDE	7969-345
L	H	41147	CREDIT XTREME HERBICIDE	71368-81	L	H	41513	ENLIST DUO	62719-649
L	F	70812	CRY-048 FUNGICIDE	66330-409	L	F	71005	F4120-1	279-3473
L	I	11510	DECLARE	279-3571	D	H	41405	F6482 45DF HERBICIDE	279-3340
L	H	41349	DICAMBA DGA 4SC	42750-209	L	H	41375	F7583-3 HERBICIDE	279-3442
L	H	40430	DICAMBA DMA 2# AG	66330-277	D	H	41214	F9016 DF HERBICIDE	279-3413
L	H	40962	DICAMBA DMA 4# AG	66330-276	L	I	11354	F9114 EC INSECTICIDE	279-3426
L	H	41648	DIFLEXX DUO	264-1184	L	H	41672	F9310-7	279-3468
L	H	41522	DIFLEXX HERBICIDE	264-1173	L	H	41794	F9314-3 HERBICIDE	279-3601
D	H	41123	DIMETRIC DF 75%	1381-197	D	H	41381	FIERCE M.U.P.	59639-206
L	I	10745	DIMILIN 2L	400-461	D	H	40983	FIRSTRATE	62719-275
L	H	40131	DREXEL ATRAZINE 4L	19713-11	L	F	70723	FITNESS FUNGICIDE	34704-1031
L	H	41015	DREXEL TRIZMET II	19713-547	L	H	40633	FLEXSTAR	100-1101

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	H	41239	FLEXSTAR GT 3.5 HERBICIDE	100-1385	L	F	70541	INITIATE 720 FLOWABLE FUNGICIDE	34704-881
L	F	70776	FLUTOLANIL 40 SC FUNGICIDE	71711-28	L	H	41735	INSTINCT HL	62719-692
L	F	70259	FOLICUR 3.6 F FOLIAR FUNGICIDE	264-752	L	H	41114	INTENSITY ONE POST-EMERGENCE GRASS HERBICIDE	34704-976
L	H	41253	FOMESAFEN 2 SL HERBICIDE	87655-2	L	H	41026	INTENSITY POST-EMERGENCE GRASS HERBICIDE	34704-864
L	H	41492	FOMESAFEN 22.1% SC	42750-229	L	H	41365	INTIMIDATOR	34704-1065
D	I	10565	FORCE 3G INSECTICIDE	100-1075	L	I	10876	INTREPID 2F INSECTICIDE	62719-442
L	H	40689	FULTIME HERBICIDE	62719-371	L	I	10351	KARATE 1EC	100-998
L	H	41580	FULTIMENXT	62719-668	L	H	40956	KEYSTONE LA HERBICIDE	62719-479
L	H	40596	FUSILADE DX HERBICIDE	100-1070	L	I	11148	LAMBDA CY EC INSECTICIDE	70506-120
L	I	11092	GAUCHO 550 SC INSECTICIDE	264-827	L	I	11362	LAMBDA-CY AG	83222-42
D	H	41202	GAUNTLET 70 DF HERBICIDE	279-3246	L	H	41178	LATIGO	5905-564
L	H	41063	GF-1279	62719-517	L	H	41111	LAUDIS HERBICIDE	264-860
L	H	41136	GF-1280	62719-556	L	I	11284	LEVERAGE 360 INSECTICIDE	264-1104
L	H	41725	GF-3335	62719-695	L	H	41306	LEXAR EZ HERBICIDE	100-1414
L	H	41198	GLY STAR GRASS AND WEED KILLER CONCENTRATE	42750-67	L	H	41052	LEXAR HERBICIDE	100-1201
L	H	41508	GLY-4 PLUS HERBICIDE	84009-12	L	H	41575	LIBERTY 2,4-D ESTER 6	89168-5
L	H	41067	GLYPHO 648	34704-929	L	H	41817	LIBERTY 280 SL HERBICIDE	7969-448
L	H	40910	GLYPHOMAX	62719-323	L	F	71065	LIBERTY AZOXY-TET	89168-52
L	H	40950	GLYPHOSATE	34704-866	L	I	11399	LIBERTY BIFENTHRIN 2 EC	89168-19
L	H	40977	GLYPHOSATE 4 HERBICIDE	51036-312	L	H	41356	LIBERTY CLETHODIM 2EC	89168-11
L	H	41180	GLYPHOSATE 4 PLUS	81927-9	L	H	41366	LIBERTY GLYPHOSATE PLUS	89168-17
L	H	41023	GLYPHOSATE 41%	42750-60	L	H	41814	LIBERTY HERBICIDE	7969-447
L	H	41420	GLYPHOSATE 41% HERBICIDE	87659-3	L	H	41762	LIBERTY MESOTRIONE 4SC	89168-54
L	H	41053	GLYPHOSATE 41% PLUS	42750-61	D	H	41484	LIBERTY METRIBUZIN 75DF	89168-30
L	H	41011	GLYPHOSATE 53.8%	42750-59	L	H	41479	LIFELINE HERBICIDE	70506-310
L	H	40506	GRAMOXONE INTEON	100-1217	D	I	10101	LORSBAN 15G	62719-34
L	H	41283	GRAMOXONE SL 2.0	100-1431	L	I	10983	LORSBAN-4E	62719-220
L	I	11168	GRIZZLY Z INSECTICIDE	1381-211	L	H	40938	LOW VOL 6 ESTER WEED KILLER	34704-125
L	H	41112	HALEX GT HERBICIDE	100-1282	L	H	41307	LUMAX EZ HERBICIDE	100-1442
L	H	40736	HARNESS XTRA 5.6L HERBICIDE PREMIX FOR CORN	524-485	L	H	40952	LUMAX SELECTIVE HERBICIDE	100-1152
L	H	40630	HARNESS XTRA HERBICIDE	524-480	L	H	40896	LV 400 2,4-D WEED KILLER	2217-77
L	F	70549	HEADLINE FUNGICIDE	7969-186	L	H	41711	M1768 HERBICIDE	524-617
L	F	70790	HEADLINE SC	7969-289	L	H	41138	MAKAZE YIELD-PRO	34704-1033
L	H	41249	HELENA VISION	5905-576	L	H	41218	MATADOR	34704-1054
L	O	90643	HELMQUAT 3SL	74530-48	L	H	40178	MEDAL HERBICIDE	100-964
L	H	41185	HELOSATE PLUS ADVANCED	74530-43	L	H	40934	MEDAL II HERBICIDE	100-965
L	I	11228	HERO INSECTICIDE	279-3315	L	F	70793	MERIVON XEMIUM BRAND FUNGICIDE	7969-310
L	H	41483	HM-1151-A HERBICIDE	5905-593	L	H	41771	MESOTRIONE 4L	42750-315
D	H	40931	HORNET WDG	62719-315	L	H	41266	METOLACHLOR 7.8	60063-24
L	H	41764	IMPACTZ HERBICIDE	5481-612	L	H	41116	METRI 4F HERBICIDE	70506-68

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	H	41239	FLEXSTAR GT 3.5 HERBICIDE	100-1385	L	F	70541	INITIATE 720 FLOWABLE FUNGICIDE	34704-881
L	F	70776	FLUTOLANIL 40 SC FUNGICIDE	71711-28	L	H	41735	INSTINCT HL	62719-692
L	F	70259	FOLICUR 3.6 F FOLIAR FUNGICIDE	264-752	L	H	41114	INTENSITY ONE POST-EMERGENCE GRASS HERBICIDE	34704-976
L	H	41253	FOMESAFEN 2 SL HERBICIDE	87655-2	L	H	41026	INTENSITY POST-EMERGENCE GRASS HERBICIDE	34704-864
L	H	41492	FOMESAFEN 22.1% SC	42750-229	L	H	41365	INTIMIDATOR	34704-1065
D	I	10565	FORCE 3G INSECTICIDE	100-1075	L	I	10876	INTREPID 2F INSECTICIDE	62719-442
L	H	40689	FULTIME HERBICIDE	62719-371	L	I	10351	KARATE 1EC	100-998
L	H	41580	FULTIMENXT	62719-668	L	H	40956	KEYSTONE LA HERBICIDE	62719-479
L	H	40596	FUSILADE DX HERBICIDE	100-1070	L	I	11148	LAMBDA CY EC INSECTICIDE	70506-120
L	I	11092	GAUCHO 550 SC INSECTICIDE	264-827	L	I	11362	LAMBDA-CY AG	83222-42
D	H	41202	GAUNTLET 70 DF HERBICIDE	279-3246	L	H	41178	LATIGO	5905-564
L	H	41063	GF-1279	62719-517	L	H	41111	LAUDIS HERBICIDE	264-860
L	H	41136	GF-1280	62719-556	L	I	11284	LEVERAGE 360 INSECTICIDE	264-1104
L	H	41725	GF-3335	62719-695	L	H	41306	LEXAR EZ HERBICIDE	100-1414
L	H	41198	GLY STAR GRASS AND WEED KILLER CONCENTRATE	42750-67	L	H	41052	LEXAR HERBICIDE	100-1201
L	H	41508	GLY-4 PLUS HERBICIDE	84009-12	L	H	41575	LIBERTY 2,4-D ESTER 6	89168-5
L	H	41067	GLYPHO 648	34704-929	L	H	41817	LIBERTY 280 SL HERBICIDE	7969-448
L	H	40910	GLYPHOMAX	62719-323	L	F	71065	LIBERTY AZOXY-TET	89168-52
L	H	40950	GLYPHOSATE	34704-866	L	I	11399	LIBERTY BIFENTHRIN 2 EC	89168-19
L	H	40977	GLYPHOSATE 4 HERBICIDE	51036-312	L	H	41356	LIBERTY CLETHODIM 2EC	89168-11
L	H	41180	GLYPHOSATE 4 PLUS	81927-9	L	H	41366	LIBERTY GLYPHOSATE PLUS	89168-17
L	H	41023	GLYPHOSATE 41%	42750-60	L	H	41814	LIBERTY HERBICIDE	7969-447
L	H	41420	GLYPHOSATE 41% HERBICIDE	87659-3	L	H	41762	LIBERTY MESOTRIONE 4SC	89168-54
L	H	41053	GLYPHOSATE 41% PLUS	42750-61	D	H	41484	LIBERTY METRIBUZIN 75DF	89168-30
L	H	41011	GLYPHOSATE 53.8%	42750-59	L	H	41479	LIFELINE HERBICIDE	70506-310
L	H	40506	GRAMOXONE INTEON	100-1217	D	I	10101	LORSBAN 15G	62719-34
L	H	41283	GRAMOXONE SL 2.0	100-1431	L	I	10983	LORSBAN-4E	62719-220
L	I	11168	GRIZZLY Z INSECTICIDE	1381-211	L	H	40938	LOW VOL 6 ESTER WEED KILLER	34704-125
L	H	41112	HALEX GT HERBICIDE	100-1282	L	H	41307	LUMAX EZ HERBICIDE	100-1442
L	H	40736	HARNESS XTRA 5.6L HERBICIDE PREMIX FOR CORN	524-485	L	H	40952	LUMAX SELECTIVE HERBICIDE	100-1152
L	H	40630	HARNESS XTRA HERBICIDE	524-480	L	H	40896	LV 400 2,4-D WEED KILLER	2217-77
L	F	70549	HEADLINE FUNGICIDE	7969-186	L	H	41711	M1768 HERBICIDE	524-617
L	F	70790	HEADLINE SC	7969-289	L	H	41138	MAKAZE YIELD-PRO	34704-1033
L	H	41249	HELENA VISION	5905-576	L	H	41218	MATADOR	34704-1054
L	O	90643	HELMQUAT 3SL	74530-48	L	H	40178	MEDAL HERBICIDE	100-964
L	H	41185	HELOSATE PLUS ADVANCED	74530-43	L	H	40934	MEDAL II HERBICIDE	100-965
L	I	11228	HERO INSECTICIDE	279-3315	L	F	70793	MERIVON XEMIUM BRAND FUNGICIDE	7969-310
L	H	41483	HM-1151-A HERBICIDE	5905-593	L	H	41771	MESOTRIONE 4L	42750-315
D	H	40931	HORNET WDG	62719-315	L	H	41266	METOLACHLOR 7.8	60063-24
L	H	41764	IMPACTZ HERBICIDE	5481-612	L	H	41116	METRI 4F HERBICIDE	70506-68

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Form	Class	Code	Product Name	EPA #	Form	Class	Code	Product Name	EPA #
L	H	40060	STARANE ULTRA	62719-577	L	F	70783	TOPSIN 4.5FL FUNGICIDE	8033-122
D	H	41110	STATUS HERBICIDE	7969-242	L	H	40918	TOUCHDOWN HERBICIDE	100-1117
L	H	41348	STERLING BLUE	1381-248	L	H	41047	TREFLAN 4L HERBICIDE	34704-853
L	H	40425	STINGER	62719-73	L	H	40550	TRIFLURALIN 4 E.C.	5905-519
L	H	40662	STORM HERBICIDE	70506-59	L	H	40292	TRIFLUREX HFP	66222-46
L	F	70473	STRATEGO FUNGICIDE	264-779	L	F	70978	TRIVAPRO FUNGICIDE	100-1613
L	F	70768	STRATEGO YLD FUNGICIDE	264-1093	L	H	41789	TRIZMAX HERBICIDE	19713-688
D	H	40968	STRONGARM	62719-288	L	I	11159	TUNDRA EC	1381-196
L	H	41115	SURESTART HERBICIDE	62719-570	L	H	40913	ULTRABLAZER HERBICIDE	70506-60
L	H	41535	SURESTART II	62719-679	L	H	41768	USF 0728 325 SC FUNGICIDE	264-1055
L	H	40617	SURPASS EC HERBICIDE	62719-367	L	H	40005	V-10137 1 EC HERBICIDE	59639-132
L	H	41586	SURPASS NXT	62719-672	D	H	41368	V-10364 Herbicide	59639-194
L	H	41120	TAPOUT	5905-578	D	H	40014	VALOR HERBICIDE	59639-99
L	H	40507	TARGA HERBICIDE	33906-9	D	H	40940	VALOR WP HERBICIDE	59639-98
L	F	70698	TEBUCONAZOLE 3.6 F FUNGICIDE	70506-114	L	I	11580	VELUM TOTAL	264-1171
L	F	70699	TEBUCONAZOLE 3.6FL	42750-99	L	H	41137	VERDICT POWERED BY KIXOR HERBICIDE	7969-279
D	F	70613	TEBUZOL 45 DF FUNGICIDE	70506-113	L	H	41901	VHP58 HERBICIDE	279-9643
L	F	70195	TERRANIL 6L	9779-320	L	H	40959	VOLLEY ATZ LITE TENKOZ HERBICIDE	55467-6
D	I	10298	THIMET 10-G SOIL AND SYSTEMIC INSECTICIDE	5481-526	L	H	41889	VOLUNTEER 2EC HERBICIDE	55467-17
D	I	10192	THIMET 20-G	5481-530	L	I	11167	WARRIOR II WITH ZEON TECHNOLOGY	100-1295
L	H	41502	THUNDERMASTER	42750-76	L	I	11038	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	100-1112
L	H	41772	TIGRIS MESO 4 SC	92647-3	L	H	41013	WIDEMATCH HERBICIDE	62719-512
L	F	70072	TILT	100-617	L	I	11127	WRANGLER INSECTICIDE	34704-931
L	F	70606	TILT BRAVO SE	100-1192	L	H	41909	XTENDIMAX VAPORCRIP TECHNOLOGY	264-1210
L	H	41225	TOMAHAWK 5	33270-15	D	H	41311	YUKON HERBICIDE	81880-6
L	I	10978	TOMBSTONE	34704-912	D	H	41285	ZIDUA HERBICIDE	7969-338
L	I	11173	TOMBSTONE HELIOS	34704-978	L	H	41709	ZIDUA PRO POWERED BY KIXOR HERBICIDE	7969-365
L	H	40297	TOPRAMEZONE SC HERBICIDE	5481-524	L	H	41733	ZIDUA SC HERBICIDE	7969-374

**CONVERSION FACTORS FOR LIQUID AND DRY PRODUCTS**

<b>Liquid Products</b>	<b>Dry Products</b>
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



**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  
 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

**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

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
<b>Baler</b>	
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 2

<b>Pressure Systems</b>		<b>Gravity Systems</b>	
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

Notes:

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