

# POTATO RESPONDENT BOOKLET

## SEED VARIETY CODE LIST for POTATOES

- Section B, item 8 . . . . .
- |   |                                  |
|---|----------------------------------|
| 3 | Bt variety for insect resistance |
| 6 | Variety planted not listed above |

## REASONS FOR SEED VARIETY

- Section B, item 9 . . . . .
- |   |                                                                                                                                           |
|---|-------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Increase yields through improved pest<br>(weeds, insects or diseases) control?                                                            |
| 2 | Decrease pesticide input costs?                                                                                                           |
| 3 | Increase planting flexibility?<br>(For example, easier to rotate crops, reduce carryover use<br>reduced tillage or no-till systems, etc.) |
| 4 | Adopt more environmentally-friendly practices?                                                                                            |
| 5 | For some other reason(s)?                                                                                                                 |

## 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 AIR                       |
| 4 | IN SEED FURROW                          |
| 5 | IN IRRIGATION WATER                     |
| 6 | CHISEL/INJECTED OR KNIFED IN            |
| 7 | BANDED/SIDEDRESSED IN OR OVER ROW       |
| 8 | FOLIAR OR DIRECTED SPRAY                |
| 9 | SPOT TREATMENTS                         |

Section C, Item 4

## Common Fertilizers and Their Percent Analysis

**[Enumerator Note:** *If Respondent cannot report the formulation for Section C, item 1, enter the formulations below.*]

Name	Percent Active Ingredients				RANGE
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	
Anhydrous ammonia . . . . .	82	--	--	--	
Aqua ammonia . . . . .	20	--	--	--	16-30% N
Ammonium nitrate . . . . .	33	--	--	--	33-34% N
Ammonium sulfate . . . . .	21	--	--	--	20-21% N
Nitrogen solutions . . . . .	28	--	--	--	7-58% N
Sodium nitrate . . . . .	16	--	--	--	
Urea . . . . .	46	--	--	--	45-46% N
Urea ammonium nitrate . . . . .	32	--	--	--	
Super phosphate (22 % & under)	--	19	--	--	18-22% P
Super phosphate (over 22 %) . . .	--	30	--	--	23-39% P
Triple Super Phosphate . . . . .	--	46	--	--	40-54% P
Ammonium phosphate . . . . .	11	48	--	--	
Di-ammonium phosphate . . . . .	18	46	--	--	
Mono-ammonium phosphate . . . . .	11	52	--	--	
Potassium chloride . . . . .	--	--	60	--	50-62% K
Potassium nitrate . . . . .	13	--	44	--	
Potassium sodium nitrate . . . . .	15	--	14	--	
Mixed Fertilizer . . . . .	2	6	12	--	
	3	9	18	--	
	3	10	30	--	
	5	10	15	--	
	5	10	30	--	
	5	15	30	--	
	6	24	24	--	
	8	24	24	--	
	9	18	9	--	
Soil sulfur . . . . .	--	--	--	92	
Sulfur-bentonite . . . . .	--	--	--	90	
Sulfur dioxide . . . . .	--	--	--	50	
Ammonium polySulfide . . . . .	20	--	--	45	
Ammonium sulfate . . . . .	21	--	--	24	
Ammonium thiosulphate solution .	12	--	--	26	
Diammonium phosphate-sulfur . .	16	40	--	13	
Potassium sulfate . . . . .	--	--	50	18	48-52% K
Potassium-magnesium sulfate . . .	--	--	22	22	

### CHEMICALS and PESTICIDES for POTATOES

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	MG	9160	2,4-D/Agasco 400	L	MD	9291	Defol 5
				L	MD	9285	Defol 750
D	I	1672	Able				
D	F	7239	Acrobat MZ	L	MD	9015	Des-I-Cate (0.52L)
L	I	1427	Admire 2F	L	MD	9293	Desicate II
L	I	1002	Ambush (2EC)	D	I	1033	Di-Syston 15% G
L	I	1003	Asana (1.9EC)	L	I	1034	Di-Syston 8 (EC)
L	I	1004	Asana XL (.66EC)	D	I	1047	Diazinon 14G
D	I	1668	Azatin XL Plus	L	I	1041	Diazinon 4E
D	I	1280	Azinphos-M 50 WP	L	I	1046	Diazinon AG500 (4E)
L	I	1686	BMP 123 (48 LC)	L	I	1212	Dimate 4E
D	F	7339	Blocker 10G	L	I	1028	Dimethoate 2.67EC
L	F	7338	Blocker 4F	L	I	1267	Dimethoate 400
				L	I	1029	Dimethoate 4EC
D	F	7131	Blue Shield (WP)	L	MD	9016	Diquat
L	F	7294	Blue Shield 3L				
L	F	7007	Bravo 500 (4.17EC)	D	F	7127	Dithane DF (75%)
L	F	7125	Bravo S (EC)	L	F	7015	Dithane F-45 (4EC)
D	F	7241	Bravo 825 (Ultrex 82.5 WDG)	D	F	7016	Dithane M-45 (80WP)
D	F	7011	Bravo W-75	L	F	7318	Dithane M-45 Flowable M
L	F	7008	Bravo 720 (6EC)	D	F	7317	Dithane WSP
L	F	7193	Bravo ZN				
L	MS	9023	Busan 1020	L	H	4051	Dual (8E)
L	I	1285	Butacide 8 EC	L	H	4466	Dual II
				L	H	4660	Dual II Magnum
				L	H	4659	Dual Magnum
D	I	1012	Carbaryl 50W	L	I	1039	Dyfonate 4EC
L	F	7099	Champ Flowable	D	I	1037	Dyfonate II 10-G
L	F	7244	Champ Formula 2				
D	F	7224	Champ Formula II DF	L	MG	9277	Early Harvest
D	I	1670	Condor (WP)	L	F	7329	Echo 500
D	F	7053	Copper Sulfate	D	F	7331	Echo 75 WDG
L	F	7092	Copper-Count-N	D	F	7332	Echo 90DF
D	F	7315	Curzate 60DF	L	I	1268	Endosulfan 2EC
D	F	7238	Curzate M-8	L	I	1199	Endosulfan 3EC
L	H	4654	Cyclone Concentrate	L	F	7248	Ensign 500
L	I	1027	Cygon 400 (4EC)	L	F	7246	Ensign 720
L	M	9269	Cytoplex HMS	L	F	7249	Ensign Zn
D	I	1043	D-z-n Diazinon 14G	L	H	4053	Eptam 7-E
L	I	1045	D-z-n Diazinon AG500 (4E)	L	I	1054	Furadan 4F
L	I	1557	Declare Insecticide	L	I	1538	Fyfanon 8lb Emulsion

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	M	9266	Garlic Barrier AG Insect Repellent	D	F	7311	Mankocide
L	I	1555	Gemstar LC	D	F	7024	Manzate 200 (80WP)
L	H	4314	Gramoxone Extra (2.5L)	D	F	7025	Manzate 200 DF (75%)
L	MD	9037	Gramoxone Extra (2.5L)	L	F	7067	Manzate 200 Flowable (4EC)
L	M	9267	Guardian Spray	D	F	7328	Manzate 75DF
L	I	1152	Guthion 2L	D	H	4566	Matrix Herbicide (aka Shadeout)
D	I	1056	Guthion 35% WP	L	MS	9161	Metam Sodium 32.7%
L	I	1272	Guthion 3 Flowable	L	MS	9262	Metam Sodium 42%
D	I	1182	Guthion 50% WP	D	I	1080	Mocap 10G
D	I	1155	Imidan 50WP	D	I	1081	Mocap 15G
D	I	1371	Imidan 70 WSB (WP)	L	I	1082	Mocap EC (6lbs)
L	I	1290	Incite	L	I	1329	Monitor 4 EC
L	I	1252	Karate (1EC)	L	I	1160	Monitor 4 Spray
D	F	7059	Kocide 101 (WP)	L	I	1548	NeemGard
L	F	7314	Kocide 4.5 LF	L	I	1550	Neemix
L	F	7060	Kocide 606 (Liq)	L	I	1551	Neemix 4.5
D	F	7167	Kocide DF	L	MS	9152	Nemasol
L	F	7221	Kocide LF	L	MS	9297	Nemasol 42%
D	I	1136	Kryocide (96% dry)	L	MS	9298	Nemasol 426
D	I	1065	Lannate (90WSP)	L	F	7300	Nu-Cop 3L
L	I	1063	Lannate L (1.8 lbs)	D	F	7309	Nu-Cop 50DF
D	I	1671	Lepinox WDG	L	I	1223	PBO-8 (EC)
L	H	4072	Lexone 4L	L	I	1164	Penncap-M (2 lbs.)
D	H	4073	Lexone DF	D	F	7026	Penncozeb (80WP)
L	H	4074	Linex 4L	D	F	7098	Penncozeb DF (75%)
D	H	4075	Linex 50DF	D	I	1240	Phorate 20-G
L	H	4047	Linuron 4L	L	H	4081	Poast (1.5 EC)
D	H	4077	Lorox DF (50%)	L	H	4703	Poast HC (3.5 EC)
L	H	4076	Lorox L (4lbs.)	D	F	7069	Polyram 80WP
D	I	1070	Lorsban 50W	D	I	1106	Pounce 25WP
L	I	1218	M-One Insecticide	L	I	1107	Pounce 3.2EC
L	I	1236	Malathion 5EC (57%)	L	I	1439	Provado 1.6 Flowable
L	MG	9168	Maleic Hydrazide	L	H	4086	Prowl (4EC)
D	F	7251	Mancozeb 80WP	L	H	4360	Prowl 3.3 EC
D	F	7229	Maneb 75DF	L	I	1114	Pydrin 2.4EC
D	F	7022	Maneb 80WP	L	I	1224	Pyrenone Crop Spray
L	F	7064	Manex 4EC	L	I	1474	Pyronyl Crop Spray
D	F	7245	Manex C-8				
L	F	7117	Manex II (4EC)				
L	F	7065	Manex Maneb Flowable (4L)				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	F	7291	Quadris (aka Abound)	L	F	7236	Tattoo-C
D	F	7029	Ridomil + Bravo 81W	L	F	7101	Tenn-Cop 4E
L	F	7027	Ridomil 2E	L	F	7100	Tenn-Cop 5E
D	F	7308	Ridomil Gold Bravo	L	F	7177	Terranil 6L
L	F	7340	Ridomil Gold Bravo Liquid	D	F	7205	Terranil 90DF
D	F	7028	Ridomil MZ58	L	F	7299	Terranil Zn
D	F	7237	Ridomil MZ72 (WP)	D	I	1256	Thimet 15-G
D	F	7187	Ridomil/Copper 70W	D	I	1127	Thimet 20-G
L	I	1112	Rotenox 5 EC (5%)	L	I	1128	Thiodan 3EC
L	H	4700	Roundup Custom	D	I	1174	Thiodan 50WP
L	H	4376	Roundup D-Pak	D	F	7038	Thiolux (80DF)
D	H	4702	Roundup EZ Dry	L	F	7078	Top Cop Tri-Basic
L	H	4093	Roundup Original	L	F	7316	Top Cop Flowable
L	H	4561	Roundup Ultra	L	H	4629	Treflan HFP
L	MG	9008	Royal MH-30 (1.5EC)	L	H	4288	Turbo 8EC
L	I	1190	Safer Insecticide Soap	L	H	4572	Ultima 160
L	H	4667	Scythe	L	MS	9012	Vapam (3.18 lb.)
L	MS	9174	Sectagon 42	L	I	1177	Vydate L (2 Lbs)
L	H	4095	Sencor 4	L	I	1435	Warrior
D	H	4096	Sencor DF (75%)	D	I	1685	Xentari Biological Insecticide (DF)
L	I	1132	Sevin 4F	D	F	7220	Zinc Coposil 20 Dust
D	I	1172	Sevin 50W				
D	I	1018	Sevin 80S				
L	I	1019	Sevin XLR Plus (4E)				
L	MG	9273	Stimulate Yield Enhancer				
L	MD	9009	Sulfuric Acid Potato Vine Desiccant				
L	MG	9034	Super Sprout Stop (EC)				
L	F	7073	Super Tin 4L				
D	F	7215	Super Tin 80WSP				

### Conversion Codes for Liquid and Dry Products

#### Liquid Products

1 Gallon = 4 Quarts  
 1 Quart = 2 Pints  
 1 Pint = 16 Fluid Ounces  
 2 Cups = 1 Pint

#### Dry Products

1 Pound = 16 Dry Ounces  
 1 Ounce = 28.3 Grams  
 1 Pound = 453 Grams

# TARGET PEST CODE LIST

## SECTION D, Item 1 Column 12

### INSECTS

- 010    APHIDS
  
- 020    BEETLES, WEEVILS or WIREWORMS
  - 727    Corn Rootworm (adults)
  - 728    Corn Rootworm (larvae)
  - 020    Other Beetles, Weevils or Wireworms
  
- 030    CUTWORMS OR ARMYWORMS
  
- 040    MOTH / CATERPILLAR
  - 754    Pink Bollworm
  - 045    Other Bollworm
  - 757    Tobacco Budworm
  - 040    Other Moths or Caterpillars  
*(For example: loopers, leafminer, leaf perforator, leafworm, corn borer, webworm, leafrollers, soybean podworm, fall armyworm, corn ear worm, etc.)*
  
- 050    TRUE BUG  
*(For example: fleahoppers, lygus bugs, stink bugs, chinch bugs, tarnished plant bugs, etc.)*
  
- 060    WHITEFLY, MEALYBUGS or LEAF HOPPERS
  
- 080    GRASSHOPPERS or CRICKETS
  
- 090    MITES
  
- 095    FLIES or MAGGOTS
  
- 085    THRIPS
  
- 100    NEMATODES

### DISEASES

- 105    BACTERIAL DISEASES
  
- 110    FUNGAL DISEASES, (FUNGUS)
  
- 120    VIRAL DISEASES, (VIRUS)

### WEEDS

- 171    GRASSES, ANNUAL
  - 607    Foxtail
  - 171    Other Annual Grasses
  
- 172    GRASSES, PERENNIAL
  - 617    Shattercane
  - 608    Johnsongrass
  - 616    Quack Grass
  - 172    Other Perennial Grasses
  
- 175    BROADLEAVES, ALL
  - 173    Perennial broadleaf
  - 174    Annual broadleaf
  
- 177    SEDGES

### OTHER PESTS

- 180    OTHER PESTS  
*(For example, defoliant, desiccant or growth regulator, vine killer, etc.)*

## PEST MANAGEMENT INFORMATION SOURCES

Section E, item 27 . . . . .

- 1 Extension Advisor, Publications or Demonstrations  
(County, Cooperative or University)
- 2 Farm Supply or Chemical Dealer
- 3 Commercial Scouting Service
- 4 Crop Consultant or Pest Control Advisor
- 5 Other Growers or Producers
- 6 Producer Associations, Newsletters or Trade Magazines
- 7 Electronic Information Services (*World Wide Web, DTN, etc.*)
- 8 Other
- 9 None

## SECTION G, IRRIGATION TYPE CODES

PRESSURE SYSTEMS	GRAVITY SYSTEMS
1 HAND-MOVE	10 SIPHON TUBE from unlined ditches
2 SOLID OR PERMANENT SET	11 SIPHON TUBE from lined ditches
3 SIDE ROLL OR WHEEL LINE	12 PORTAL SYSTEM from unlined ditches
4 CENTER PIVOT OR LINEAR MOVE with sprinklers on main line	13 PORTAL SYSTEM from lined ditches
5 CENTER PIVOT OR LINEAR MOVE with sprinklers below main line, but more than 2 feet above ground	14 ANY POLY PIPE SYSTEM
6 CENTER PIVOT OR LINEAR MOVE with sprinklers less than 2 feet above ground	15 GATED PIPE (not poly pipe)
7 BIG GUN	16 IMPROVED GATED PIPE (surge flow or cablegation not poly pipe)
8 LOW FLOW IRRIGATION (drip, trickle or micro sprinkler)	17 SUBIRRIGATION
9 OTHER - SPECIFY	18 OPEN DISCHARGE FROM WELL OR PUMP
	19 OTHER - SPECIFY