

Agricultural Resource Management Study
Potato Production Practices Report for 1998

POTATO RESPONDENT BOOKLET

SEED VARIETY CODE LIST for POTATOES

Section B, item 16 . . .

- 3 Bt variety for **insect resistance**
- 5 Potato **scab resistant** variety
- 6 DID NOT plant a resistant variety

REASONS FOR SEED VARIETY

Section B, item 17 . . .

- 1 Increase yields through improved pest control
(*weeds, insects or diseases*)?
- 2 Decrease pesticide input costs?
- 3 Increase planting flexibility?
(*For example, easier to rotate crops, reduce carryover use 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

Common Fertilizers and Their Percent Analysis

Name	Percent Active Ingredients				RANGE
	N	P ₂ O ₅	K ₂ 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	--	
	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				Name
				D	I	1047	Diazinon 14G
L	MG	9160	2,4-D/Agsco 400				
				L	I	1041	Diazinon 4E
D	F	7239	Acrobat MZ	L	I	1046	Diazinon AG500 (4E)
L	I	1427	Admire 2F				
				L	I	1212	Dimate 4E
L	I	1002	Ambush (2EC)				
D	I	1001	Ambush 25W	L	I	1028	Dimethoate 2.67EC
				L	I	1267	Dimethoate 400
L	I	1003	Asana (1.9EC)	L	I	1029	Dimethoate 4EC
L	I	1004	Asana XL (.66EC)	L	I	1204	Dimethoate E-267
D	I	1280	Azinphos-M 50 WP	L	MD	9016	Diquat
L	F	7178	Blite-Out Plus	D	F	7127	Dithane DF (75%)
				L	F	7015	Dithane F-45 (4EC)
D	F	7131	Blue Shield (WP)	D	F	7016	Dithane M-45 (80WP)
L	F	7294	Blue Shield 3L				
				L	H	4051	Dual (8E)
D	F	7006	Botran 75W	D	H	4050	Dual 25G
				L	H	4466	Dual II
L	F	7007	Bravo 500 (4.17EC)				
L	F	7008	Bravo 720 (6EC)	L	I	1039	Dyfonate 4EC
D	F	7241	Bravo 825 (Ultrex 82.5 WDG)	D	I	1037	Dyfonate II 10-G
				D	I	1364	Dyfonate II 15-G
D	F	7009	Bravo 90DG				
L	F	7125	Bravo S (EC)	L	F	7226	Echo 720
D	F	7011	Bravo W-75				
L	F	7193	Bravo ZN	L	I	1268	Endosulfan 2EC
				L	I	1199	Endosulfan 3EC
L	MS	9023	Busan 1020				
				L	MG	9158	Enquik
D	F	7089	Captan 80WP				
				L	F	7248	Ensign 500
L	F	7099	Champ Flowable	L	F	7246	Ensign 720
L	F	7244	Champ Formula 2				
D	F	7224	Champ Formula II DF	D	H	4201	Eptam 10-G
				L	H	4053	Eptam 7-E
L	F	7297	Chlorothalonil 4L Plus Zinc				
				D	I	1053	Furadan 15G
L	I	1008	Comite (6.55EC)	L	I	1054	Furadan 4F
D	F	7053	Copper Sulfate	L	H	4220	Genep EPTC 7EC
L	F	7092	Copper-Count-N				
				L	H	4314	Gramoxone Extra (2.5L)
D	F	7235	Coppercide 50 (WP)	L	MD	9037	Gramoxone Extra (2.5L)
L	F	7113	Cuproxat (L)				
D	F	7238	Curzate M-8				
L	I	1027	Cygon 400 (4EC)				
				L	I	1152	Guthion 2L
D	I	1043	D-z-n Diazinon 14G	L	I	1272	Guthion 3 Flowable
L	I	1045	D-z-n Diazinon AG500 (4E)	D	I	1056	Guthion 35% WP
				D	I	1182	Guthion 50% WP
L	MD	9014	Defol 6	D	I	1338	Holdem 20G
L	MD	9015	Des-I-Cate (0.52L)				
				D	I	1155	Imidan 50WP
D	I	1033	Di-Syston 15% G	D	I	1371	Imidan 70 WSB (WP)
L	I	1034	Di-Syston 8 (EC)				

D/L Class Code Product

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	I	1290	Incite	L	I	1164	Penncap-M (2 lbs.)
L	F	7173	K-Cop	D	F	7026	Penncozeb (80WP)
D	F	7059	Kocide 101 (WP)	D	F	7098	Penncozeb DF (75%)
L	F	7060	Kocide 606 (Liq)	L	I	1365	Phaser (3EC)
D	F	7167	Kocide DF	D	I	1240	Phorate 20-G
L	F	7221	Kocide LF	L	H	4081	Poast (1.5 EC)
L	H	4072	Lexone 4L	D	F	7069	Polyram 80WP
D	H	4073	Lexone DF	D	I	1106	Pounce 25WP
L	H	4074	Linex 4L	L	I	1107	Pounce 3.2EC
D	H	4075	Linex 50DF	L	I	1439	Provado 1.6 Flowable
L	H	4047	Linuron 4L	L	H	4086	Prowl (4EC)
D	H	4077	Lorox DF (50%)	L	H	4360	Prowl 3.3 EC
L	H	4076	Lorox L (4lbs.)	L	I	1114	Pydrin 2.4EC
L	I	1218	M-One Insecticide	L	I	1210	Pyrellin E.C.
L	I	1236	Malathion 5EC (57%)	L	I	1224	Pyrenone Crop Spray
L	MG	9168	Maleic Hydrazide	L	I	1474	Pyronyl Crop Spray
D	F	7251	Mancozeb 80WP	D	F	7029	Ridomil + Bravo 81W
L	F	7062	Maneb 4 Flowable	L	F	7027	Ridomil 2E
D	F	7022	Maneb 80WP	D	F	7028	Ridomil MZ58
L	F	7064	Manex 4EC	D	F	7237	Ridomil MZ72 (WP)
D	F	7245	Manex C-8	D	F	7187	Ridomil/Copper 70W
L	F	7117	Manex II (4EC)	L	H	4093	Roundup (4L)
L	F	7065	Manex Maneb Flowable (4L)	L	H	4561	Roundup Ultra
D	F	7024	Manzate 200 (80WP)	D	F	7031	Rovral (50WP)
D	F	7025	Manzate 200 DF (75%)	L	F	7032	Rovral 4 Flowable
L	F	7067	Manzate 200 Flowable (4EC)	L	MG	9008	Royal MH-30 (1.5EC)
D	H	4566	Matrix Herbicide	D	MG	9021	Royal MH-30 SG
L	MS	9161	Metam Sodium	L	MS	9174	Sectagon 42
D	F	7138	Microthiol Special	L	H	4095	Sencor 4
D	I	1080	Mocap 10G	D	H	4096	Sencor DF (75%)
D	I	1081	Mocap 15G	L	I	1132	Sevin 4F
L	I	1082	Mocap EC (6lbs)	D	I	1172	Sevin 50W
L	I	1329	Monitor 4 EC	D	I	1018	Sevin 80S
L	I	1160	Monitor 4 Spray	L	I	1019	Sevin XLR Plus (4E)
L	MS	9152	Nemasol	D	I	1120	Sul-Cide D-93
L	I	1335	Novodor	D	F	7253	Sulfur 90WP
L	F	7300	Nu-Cop 3L	L	F	7102	Sulfur Flowable (6F)
L	I	1223	PBO-8 (EC)	L	MD	9009	Sulfuric Acid Potato Vine Desiccant
L	I	1115	Parathion 8E	L	F	7093	Super Six
L	I	1153	Parathion-Methyl Parathion 6-3EC	L	MG	9034	Super Sprout Stop (EC)

D/L	Class	Code	Product Name
L	F	7073	Super Tin 4L
D	F	7215	Super Tin 80WSP
D	F	7150	Super-Sul (80WP)
L	F	7236	Tattoo-C
L	MS	9010	Telone C-17
L	MS	9011	Telone II
D	I	1124	Temik 15G
L	F	7101	Tenn-Cop 4E
L	F	7100	Tenn-Cop 5E
L	F	7177	Terranil 6L
D	F	7205	Terranil 90DF
L	F	7299	Terranil Zn
D	I	1256	Thimet 15-G
D	I	1127	Thimet 20-G
L	I	1128	Thiodan 3EC
D	I	1174	Thiodan 50WP
D	F	7038	Thiolux (80DF)
L	F	7078	Top Cop Tri-Basic
L	H	4109	Treflan 5 (EC)
L	H	4108	Treflan EC (4Lbs.)
L	H	4629	Treflan HFP
L	H	4110	Treflan MTF (4EC)
L	H	4450	Trifluralin 4 (EC)
L	H	4112	Trilin (4EC)
L	H	4288	Turbo 8EC
L	H	4572	Ultima 160
L	MS	9012	Vapam (3.18 lb.)
L	I	1177	Vydate L (2 Lbs)
D	F	7220	Zinc Coposil 20 Dust

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**
- 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 17 . . .

- 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 FLOOD
	19 OTHER - SPECIFY