

**AGRICULTURAL RESOURCE
MANAGEMENT STUDY
WINTER WHEAT
PRODUCTION PRACTICES REPORT
for 1999**

RESPONDENT BOOKLET

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 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	--	
	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 WHEAT

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4351	2,4-D/Agasco 400 (EC)	L	H	4365	Curtail M (EC)
L	H	4377	2,4-D/Amine 4	L	H	4181	Cyclone (2EC)
L	H	4664	2,4-D/Amine 6	L	H	4654	Cyclone Concentrate
L	H	4444	2,4-D/Class 40A	L	I	1027	Cygon 400 (4EC)
L	H	4443	2,4-D/Class LV4	L	M	9269	Cytoplex HMS
				L	I	1557	Declare Insecticide
D	H	4184	2,4-D/Defy	D	I	1033	Di-Syston 15% G
L	H	4204	2,4-D/Esteron 99 Concentrate	L	I	1034	Di-Syston 8 (EC)
L	H	4291	2,4-D/Formula 40	L	I	1267	Dimethoate 400
L	H	4221	2,4-D/Hi-Dep	L	I	1029	Dimethoate 4EC
L	H	4480	2,4-D/LV-6	L	I	1025	Dipel ES
L	H	4265	2,4-D/Salvo				
D	H	4391	2,4-D/Savage	L	H	4039	Direx 4L
L	H	4453	2,4-D/See 2,4-D (Ester)	D	F	7127	Dithane DF (75%)
L	H	4306	2,4-D/Weed-Rhap LV-4D	L	F	7015	Dithane F-45 Flowable
L	H	4003	2,4-D/Weedar 64	L	F	7318	Dithane M-45 Flowable M
				L	H	4045	Diuron 4L
L	H	4296	2,4-D/Weedone 638	D	H	4046	Diuron 80W
L	H	4298	2,4-D/Weedone LV4	L	MG	9277	Early Harvest
L	H	4299	2,4-D/Weedone LV6	D	H	4205	Express (DF)
D	H	4123	Ally (60DF)	L	H	4210	Fallow Master
D	H	4390	Amber	L	H	4057	Far-Go (4EC)
L	H	4133	Assert (2.5EC)	D	H	4211	Far-Go Granular (10%)
D	H	4704	Assert SG	D	H	4214	Finesse (DF)
L	H	4041	Atrazine 4L	L	H	4532	Flexstar
L	H	4135	Avenge (2L)	L	I	1054	Furadan 4F
L	I	1545	Azatine-EC Biological Insecticide	L	I	1538	Fyfanon 8lb. Emulsion
L	I	1686	BMP 123 (48 LC)	L	M	9266	Garlic Barrier AG Insect Repellent
L	H	4136	Banvel II (4L)	L	I	1555	Gemstar LC
L	H	4617	Banvel + 2,4-D	D	H	4125	Glean FC (75DF)
L	H	4138	Banvel II (2L)	D	I	1682	Golden-Dew
L	H	4327	Banvel SGF (2EC)	D	F	7333	Golden-Dew
				L	H	4314	Gramoxone Extra (2.5L)
D	F	7046	Bayleton 50%-WP	L	M	9267	Guardian Spray
D	F	7003	Benlate (50WP)				
D	F	7212	Benlate SP	D	H	4139	Harmony Extra (DF)
D	H	4143	Bladex 90DF	L	H	4065	Hoelon 3EC
L	H	4655	Bromox/MCPA 2 - 2				
L	H	4153	Bronate (4EC)	L	I	1252	Karate (1EC)
D	H	4155	Buckle (G)	D	H	4066	Karmex DF
L	H	4024	Buctril (2EC)	L	F	7134	Kocide 4.5 LF
D	H	4609	Canvas	L	H	4229	Landmaster BW
L	MG	9098	Cerone	L	H	4326	Landmaster II
				D	H	4073	Lexone DF
				L	I	1069	Lorsban 4E
			<i>CHEYENNE (both products required)</i>	L	H	4293	MCP 4 Ester
L	H	4465	Cheyenne FM (container #2)	L	H	4292	MCP Amine 4
D	H	4471	X-TRA (Cheyenne container#1)	L	I	1236	Malathion 5EC (57%)
				D	F	7311	Mankocide
L	H	4166	Chiptox MCPA Sodium (2L)	D	F	7328	Manzate 75DF
L	H	4469	Clarity 4L				
D	I	1670	Condor (WP)				
L	H	4180	Curtail (EC)				

D/L	Class	Code	Product Name
L	MS	9262	Metam Sodium 42%
L	I	1158	Methyl Parathion 4EC
D	H	4237	Meturon 80DF
L	I	1548	NeemGard
L	F	7300	Nu-Cop 3L
D	F	7309	Nu-Cop 50DF
L	MG	9300	PGR-IV Plus
D	H	4569	Peak
L	F	7291	Quadris (aka Abound)
L	H	4261	Rhomene 4L
L	H	4262	Rhonox (EC)
L	H	4700	Roundup Custom
L	H	4376	Roundup D-Pak
D	H	4702	Roundup EZ Dry
L	H	4093	Roundup Original
L	H	4315	Roundup Original RT
L	H	4561	Roundup Ultra
L	H	4675	Saber Herbicide
L	H	4667	Scythe
L	H	4095	Sencor 4
D	H	4096	Sencor DF (75%)
L	I	1019	Sevin XLR Plus (4E)
L	H	4630	Silverado Herbicide
L	H	4628	Starane EC
L	MG	9273	Stimulate Yield Enhancer
L	H	4486	Sword

D/L	Class	Code	Product Name
D	I	1127	Thimet 20-G
L	H	4280	Tiller
L	F	7076	Tilt (3.6EC)
L	F	7210	Tilt Plus
L	F	7316	Top Crop Flowable
L	H	4281	Tordon 22K (2EC)
L	H	4629	Treflan HFP
L	F	7086	Vitavax-200
L	I	1435	Warrior
L	I	1533	Warrior T
L	H	4295	Weedmaster
L	H	4300	Weedone MCPA Ester (4E)
D	H	4471	X-TRA (Cheyenne container #1)

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