

**2011 AGRICULTURAL RESOURCE
MANAGEMENT SURVEY**

Phase II

**RESPONDENT BOOKLET
for**

Version 71 (WINTER WHEAT PPR)

Version 72 (DURUM WHEAT PPR)

Version 73 (SPRING WHEAT PPR)

Production Practices Report (PPR)

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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 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 4

Common Fertilizers and Their Percent Analysis

[Enumerator Note: If Respondent cannot report the formulation for Section C, item 4, 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	---	---

Section D, Item 1
CHEMICALS and PESTICIDES for Wheat, All

Class Definitions:

F = Fungicide; **H** = Herbicide; **I** = Insecticide; **M** = Misc. Other; **MD** = Defoliant/Dessicant; **MG** = Growth Regulator;
MS = Soil Fumigant

Common Material Form Terms and Corresponding D/L Classification:

Dry: **D** = Dust, **DF** = Dry Flowable, **DG** = Water-Dispersible Granules, **G** or **GR** = Granular, **M** or **ME** = Microencapsalted,
P = Pellets, **SP** = Soluble Powder, **W** or **WP** = Wettable Powder, **WDG** or **WG** = Water-Dispersible Granules,
WSP = Water-Soluble Packet

Liquid: **AS** = Aqueous Suspension, **E** or **EC** = Emulsifiable Concentrate, **ES** = Emulsifiable Solution, **F** or **L** = Flowable,
L = Liquid, **LV** = Low Volatility, **S** = Solution, **SC** = Soluble Concentrate, **SL** = Slurry

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4758	2,4-D Amine	L	H	4808	Barrage
L	H	4377	2,4-D Amine 4 (3.80 lbs/g)	L	H	4531	Barrage HF
L	H	4664	2,4-D Amine 6	L	I	1246	Baythroid 2 (EC)
L	H	4271	2,4-D Lo-V Ester	L	I	2051	Baythroid XL
L	H	4562	2,4-D LV4 (3.80 lbs/g)	L	H	4920	Beyond (Clearfield Crops)
L	H	4480	2,4-D LV6 (5.60 lbs/g)	L	H	3023	Bison
				L	H	4963	Brash
D	H	4657	Achieve 40DG	L	H	3118	Broclean
D	H	4658	Achieve 80DG	L	H	4655	Bromox/MCPA 2-2
L	H	4892	Achieve SC	L	H	4153	Bronate (4EC)
D	H	4168	Affinity BroadSpec Herbicide	L	H	4856	Bronate Advanced
D	H	4991	Affinity Tankmix	L	H	4216	Brox-M
D	H	4683	Aim (40% WDG)	L	H	4884	Buccaneer
L	H	4879	Aim EC	D	H	4155	Buckle (G)
L	H	4880	Aim EW	L	H	4024	Buctril (2EC)
D	H	4859	Ally Extra	L	H	4025	Buctril (4EC)
D	H	4120	Ally Extra SG	L	F	7534	Bumper 41.8 EC
D	H	4123	Ally XP (60DF)				
D	H	4390	Amber	L	F	7687	Caramba
L	H	4666	Amine 6 (6 lbs/g)	L	MG	9098	Cerone
L	H	4428	Axial (for wheat and barley)	L	H	4469	Clarity
L	H	3095	Axial TBC	L	H	4437	CleanWave
L	H	4436	Axial XL	L	I	2274	Cobalt
D	H	4651	Axiom DF	L	H	4872	Cornerstone
				L	H	3111	Credit (Mixed Salt)
L	H	4136	Banvel (4L)	L	H	4894	Credit (Riverdale/Nufarm)
L	H	4617	Banvel + 2,4-D	L	H	4284	Credit Duo
L	H	4327	Banvel SGF (2EC)	L	H	4982	Credit Duo Extra

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	3227	Credit Xtreme	D	H	4125	Glean FC (75DF)
L	H	4180	Curtail (EC)	L	H	4882	Gly Star Plus
L	H	4365	Curtail M (EC)	L	H	4580	Glyphos X-TRA
				L	H	3102	GoldSky
L	H	4898	Dagger	L	I	1968	Govern 4E
L	H	4895	Dicamba DMA Salt				
L	H	4866	Dicamba SC	D	H	4141	Harmony Extra TotalSol SG
L	I	1212	Dimate 4EC	D	H	4139	Harmony Extra XP
L	I	1028	Dimethoate 2.67 EC	D	H	4137	Harmony GT XP
L	I	1267	Dimethoate 400	D	H	4142	Harmony SG TotalSol 50%
L	I	1029	Dimethoate 4EC	L	F	7522	Headline
L	I	1403	Dimethoate 5 lb/g	L	H	4221	Hi-Dep (a.k.a. Orchard Master)
L	H	4820	Discover	L	H	4952	HM-2010
L	H	4938	Discover NG	L	H	3093	Huskie
L	H	4970	Double Up B+D				
L	H	4198	Durango	L	I	1707	Karate Z
				D	F	7262	Kocide 2000
L	H	4434	E-99 Herbicide				
L	H	3100	EH 1330 Herbicide	L	I	1069	Lorsban 4E
D	H	4855	Everest 70%	L	I	1071	Lorsban Advanced
D	H	3021	Express w/ TotalSol Soluble Granules	L	H	4826	LV 400 2,4-D Weed Killer
D	H	4205	Express XP (DF)				
				L	H	4018	Maestro Advanced
L	H	3017	Far-Go	L	H	4959	Maestro D
D	H	4211	Far-Go Granular (10%)	D	H	4791	Maverick
D	H	4105	Finesse	L	H	3080	MCP Amine
D	H	4214	Finesse	L	H	4292	MCP Amine 4
L	F	7254	Folicur 3.6 F	L	H	3081	MCP Ester

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4079	MCPA (2EC) Sodium Salt (Weedar)	L	H	4581	Puma 1EC (Bronate Pro #1)
L	H	3082	MCPA 6 Amine	L	H	3085	Puma Ultra
L	H	4356	MCPA Amine (3.7 SC)				
L	H	4487	MCPA Ester (Solve)	L	F	7291	Quadris
L	H	4513	MCPE Phenoxy	L	F	7575	Quilt
L	H	4966	Mextrol EC				
D	H	3121	Mighty Met 60 DF	L	H	3220	Rage D-Tech
L	I	1363	Mustang	L	H	4814	Range Star
L	I	1895	Mustang Max	D	H	4750	Rave
				L	H	4903	Rhino
L	H	3088	NXTcp (Multi-pack with Starane)	L	H	4078	Rhomene MCPA Amine
				L	H	4262	Rhonox (EC)
D	H	4397	Olympus 70%G	D	H	4425	Rimfire (for wheat)
D	H	4195	Olympus Flex (for wheat)	L	H	4700	Roundup Custom
L	F	7689	Onset 3.06L	L	H	4093	Roundup Original
L	H	4138	Oracle Dicamba Agricultural Herbicide	L	H	4315	Roundup Original II
L	H	3094	Orion	L	H	4939	Roundup Original Max
D	H	4951	Osprey	L	H	4407	Roundup Power Max
L	H	4940	Outlaw (a.k.a. Bushwhacker)	L	H	4789	Roundup Pro
				L	H	3164	Roundup Pro Max
D	H	4569	Peak (WDG)	L	H	4561	Roundup Ultra
L	I	1164	Penncap-M	L	H	4763	Roundup Ultra Max
D	H	3115	Plotter	L	H	4881	Roundup Weather Max
L	H	3099	PowerFlex	L	H	4418	RT 3 Herbicide
L	F	7668	Proline 480 SC	L	H	4857	RT Master
L	F	7528	Propiconazole EC				
L	F	7667	Prosaro 421 SC	L	H	4265	Salvo
L	H	4942	Prowl H2O	L	H	4095	Sencor 4

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D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	H	4096	Sencor DF (75%)	L	H	4848	Touchdown Herbicide
L	I	1108	Silencer	L	H	4983	Treflan 4L
L	H	4883	Silhouette Herbicide	L	H	3033	Treflan E.C.
L	H	3087	Starane (Multi-pack with NXTcp)	D	H	4111	Treflan TR-10
L	H	4868	Starane + Saber	L	H	4867	Turret
L	H	4819	Starane + Salvo				
L	H	4863	Starane + Sword	L	I	2180	Warrior II with Zeon
L	H	4628	Starane EC	L	I	1435	Warrior with Zeon
L	H	3089	Starane NXT	L	H	4995	WECO MAX
L	H	3086	Starane Ultra	L	H	4003	Weedar 64
L	H	4802	Sterling	L	H	4295	Weedmaster
L	H	3232	Sterling Blue	L	H	4945	WideMatch
L	F	7513	Stratego	L	H	3091	WideMatch CM
L	H	4426	StrikeOut Extra	L	H	3090	WideMatch S
				L	H	4971	WildCard Xtra
L	F	7076	Tilt	L	H	3015	Wolfpack Advanced
L	I	1980	Tombstone	L	H	3098	Wolverine
L	H	4281	Tordon 22K (2EC)	L	H	3097	Wolverine PowerPak
L	H	4408	Touchdown CT				

Conversion Factors 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

