

## 2013 Commercial Values Survey Results for Primary and Secondary Nutrients.

Fertilizer Materials	Grade	Average \$/ton	Standard Deviation	N	P	K	Ca	Mg	S
Ammonium nitrate	34-0-0	\$406	\$61	\$ 11.94					
Ammonium phosphate sulfate	16-20-0, 13% S	\$270	.	\$ 5.51	\$ 5.51				\$ 5.51
Ammonium sulfate	21-0-0, 24% S	\$321	\$49	\$ 7.13					\$ 7.13
Ammonium thiosulfate	12-0-0, 26% S	\$250	\$14	\$ 6.58					\$ 6.58
Anhydrous Ammonia	82-0-0	\$688	\$94	\$ 8.39					
Aqua Ammonia	20-0-0	\$143	.	\$ 7.17					
Borax	11% B	.	.						
Calcium ammonia nitrate	27-0-0	\$316	\$36	\$ 11.71					
Calcium nitrate	15.5-0-0, 19% Ca	\$437	\$103	\$ 12.66			\$ 12.66		
Copper Sulfate	25% Cu	\$2,837	.						
Diammonium phosphate 53	21-53-0	.	.						
Diammonium phosphate 46	18-46-0	\$489	\$72	\$ 7.64	\$ 7.64				
Diammonium phosphate 48	16-48-0	.	.						
Magnesium chloride	25% Mg, 70%Cl	\$250	.					\$ 2.63	
Magnesium nitrate	11-0-0, 9% Mg	\$250	.	\$ 12.50				\$ 12.50	
Magnesium sulfate	15% Mg, 20%S	\$250	.					\$ 7.14	\$ 7.14
Manganese sulfate	26-28% Mn, 18% S	\$824	\$108						\$ 18.31
Mono potassium phosphate	0-52-34	.	\$0						
Monoammonium phosphate	11-52-0	\$472	\$61	\$ 7.49	\$ 7.49				
Phosphoric acids 65	65-72% P	\$619	.		\$ 9.03				
Phosphoric acids 30	30-32% P	\$619	.		\$ 19.95				
Phosphoric acids 54	0-54-0	\$619	.		\$ 11.45				
Potassium chloride "muriate" 60	0-0-60	\$464	\$96			\$ 7.73			
Potassium chloride "muriate" 62	0-0-62	\$468	\$120			\$ 7.55			
Potassium magnesium sulfate	0-0-21, 11% Mg, 22% S	\$561	\$58			\$ 10.40		\$ 10.40	\$ 10.40
Potassium nitrate	13-0-44	\$520	.	\$ 9.12		\$ 9.12			
Potassium sulfate	0-0-50, 17% S	\$662	\$130			\$ 9.89			\$ 9.89
Sodium nitrate	16-0-0	.	.						
Superphosphate	0-20-0	.	.						
Triple superphosphate 46	0-46-0	\$514	\$124		\$ 11.17				
Triple superphosphate 60	0-60-0	\$513	\$123		\$ 8.55				
Urea	46-0-0	\$429	\$43	\$ 9.34					
Urea ammonium nitrate solution	32-0-0	\$265	.	\$ 8.28					
Zinc Sulfate	36% Zn	\$1,312	\$67						
Gypsum	23% Ca, 18% S	\$66	\$48				\$ 1.60		\$ 1.60
<b>Dry Mixed Grades</b>									
0-20-20		\$410	.		\$ 10.25	\$ 10.25			
5-10-10		\$300	\$57	\$ 12.00	\$ 12.00	\$ 12.00			
5-10-15		\$385	\$83	\$ 12.83	\$ 12.83	\$ 12.83			
5-10-30		\$396	\$49	\$ 8.79	\$ 8.79	\$ 8.79			
6-6-6		\$233	\$11	\$ 12.92	\$ 12.92	\$ 12.92			
6-6-18		\$633	\$45	\$ 21.11	\$ 21.11	\$ 21.11			
8-8-8		\$278	\$25	\$ 11.56	\$ 11.56	\$ 11.56			
10-10-10		\$430	\$65	\$ 14.35	\$ 14.35	\$ 14.35			
10-20-20		\$520	\$156	\$ 10.39	\$ 10.39	\$ 10.39			
10-20-30		\$522	\$101	\$ 8.71	\$ 8.71	\$ 8.71			
17-17-17		\$507	\$116	\$ 9.93	\$ 9.93	\$ 9.93			
19-19-19		\$422	\$52	\$ 7.40	\$ 7.40	\$ 7.40			
<b>Average cost per unit across fertilizer materials</b>				<b>\$ 10.22</b>	<b>\$ 11.05</b>	<b>\$ 10.88</b>	<b>\$ 7.13</b>	<b>\$ 8.17</b>	<b>\$ 8.32</b>