

# BULK BLENDING FERTILIZER FORMULATION GUIDE

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## Honeywell Sulf-N<sup>®</sup> Ammonium Sulfate

21% Nitrogen

24% Sulfur

DRY BLEND FERTILIZER FORMULATIONS	
RAW MATERIALS	NUTRIENT CONTENT
Sulf-N Ammonium Sulfate	21-0-0-24S
Ammonium Nitrate	33.5-0-0
Urea	46-0-0
Diammonium Phosphate	18-46-0
Monoammonium Phosphate	11-52-0
Triple Super Phosphate	0-46-0
Potash	0-0-60
<i>There is no filler in these formulations.</i>	

### SULFUR FORMULATIONS

This booklet contains bulk blending formulas using Honeywell Sulf-N ammonium sulfate. These grades are all made with no filler and are just a sampling of possible grades that can be made.

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product		Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	KCl	Pounds
7	0	40	8	667	1333	2000
9	0	34	10	858	1142	2000
10	0	31	11	954	1046	2000
14	0	20	16	1334	666	2000
15	0	17	17	1433	567	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Diammonium Phosphate 18-46-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product			Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	DAP	KCl	Pounds
10	14	28	5	485	609	993	2000
11	7	27	9	796	304	900	2000
12	10	24	9	765	435	800	2000
13	7	21	12	996	304	700	2000
13	10	20	10	898	435	667	2000
14	6	18	13	1139	261	600	2000
15	5	15	15	1283	217	500	2000
15	14	14	11	926	607	467	2000
17	9	9	15	1300	400	300	2000
18	4	8	18	1559	174	267	2000
18	6	6	18	1510	275	215	2000
20	2	2	22	1835	90	75	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Triple Super Phosphate 0-46-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product			Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	Triple	KCl	Pounds
5	14	27	5.8	490	610	900	2000
6	10	30	6.8	570	435	995	2000
7	12	24	8.0	670	530	800	2000
8	7	28	9.1	762	305	933	2000
8	10	24	9.1	765	435	800	2000
9	10	20	10.7	898	435	667	2000
9	14	15	10.6	890	610	500	2000
10	7	21	11.9	996	304	700	2000
12	6	18	13.6	1140	260	600	2000
13	5	15	15.3	1282	218	500	2000
14	6	12	16.0	1339	261	400	2000
14	8	8	16.6	1385	348	267	2000
16	4	8	18.7	1559	174	267	2000
16	6	6	18.3	1525	270	205	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Ammonium Nitrate 33.5-0-0  
 Diammonium Phosphate 18-46-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	AN	DAP	KCl	Pounds
15	15	15	9.7	808	39	653	500	2000
16	0	16	16.4	1368	98	0	534	2000
18	9	9	14.2	1185	123	392	300	2000
20	10	10	8.7	725	506	435	334	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Ammonium Nitrate 33.5-0-0  
 Triple Super Phosphate 0-46-0  
 Potash 0-0-60

Guarantee Percent				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	AN	Triple	KCl	Pounds
7	16	24	2.7	230	274	696	800	2000
8	16	16	9.2	770	0	696	534	2000
8	24	8	6.8	570	120	1043	267	2000
12	12	12	11.6	967	111	522	400	2000
14	7	14	12.6	1050	179	304	467	2000
18	9	9	7.5	625	684	391	300	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Urea 46-0-0  
 Triple Super Phosphate 0-46-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	Urea	Triple	KCl	Pounds
8	16	16	9.2	769	0	697	534	2000
8	16	24	2.5	208	296	696	800	2000
8	24	8	7.5	625	64	1044	267	2000
12	12	12	12.2	1023	55	522	400	2000
14	7	14	13.6	1133	95	305	467	2000
15	15	15	4.3	358	489	653	500	2000
18	9	9	11.5	959	349	392	300	2000
18	9	18	5.0	428	590	392	600	2000
20	10	10	8.0	666	565	435	334	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Urea 46-0-0  
 Diammonium Phosphate 18-46-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	Urea	DAP	KCl	Pounds
15	15	15	9.9	828	19	653	500	2000
16	0	16	17.0	1417	49	0	534	2000
18	9	9	15.0	1250	58	392	300	2000
19	10	11	12.0	1000	199	434	367	2000
20	10	20	4.4	367	531	435	667	2000
20	10	10	11.7	979	253	434	334	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Monoammonium Phosphate 11-52-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product			Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	MAP	KCl	Pounds
8	24	24	3.7	311	889	800	2000
10	30	15	4.5	375	1112	513	2000
11	5	25	11.7	982	185	833	2000
12	10	20	11.5	963	370	667	2000
13	15	15	11.3	947	555	498	2000
14	8	16	14.0	1171	296	433	2000
15	20	5	13.1	1093	740	167	2000
15	24	4	11.2	941	926	133	2000
16	8	10	16.4	1369	297	334	2000
16	10	9	16.0	1330	370	300	2000
17	7	7	17.8	1490	265	245	2000
18	10	3	18.3	1525	371	104	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Urea 46-0-0  
 Monoammonium Phosphate 11-52-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	Urea	MAP	KCl	Pounds
10	5	13	9.3	780	35	185	1000	2000
14	14	14	11.6	970	44	519	467	2000
15	30	5	7.4	617	105	111	167	2000
18	20	10	7.0	585	340	741	334	2000
20	5	25	3.3	281	700	185	834	2000
30	10	5	5.4	453	1010	370	167	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Ammonium Nitrate 33.5-0-0  
 Monoammonium Phosphate 11-52-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	AN	MAP	KCl	Pounds
12	18	18	7.4	620	113	667	600	2000
12	30	10	6.5	542	13	1111	334	2000
14	14	14	11.1	930	84	519	467	2000
16	7	16	10.7	896	310	260	534	2000
19	6	6	16.6	1384	194	222	200	2000
20	10	10	7.1	598	698	370	334	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Urea 46-0-0  
 Monoammonium Phosphate 11-52-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product				Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	Urea	MAP	KCl	Pounds
10	5	36	5.0	417	190	193	1200	2000
15	10	22	5.0	417	463	385	735	2000
15	15	14	10.0	834	110	577	479	2000
17	10	16	10.0	833	248	385	534	2000
21	15	9	8.0	667	446	577	310	2000
21	30	0	6.2	520	368	1112	0	2000
25	24	0	6.0	500	610	890	0	2000

Honeywell Sulf-N Ammonium Sulfate 21-0-0-24S  
 Monoammonium Phosphate 11-52-0  
 Potash 0-0-60

Guaranteed Analysis				Pounds of Product			Total
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Sulf-N	MAP	KCl	Pounds
5	10	41	2.8	239	385	1376	2000
5	15	39	1.4	120	577	1303	2000
9	23	24	3.7	315	885	800	2000
10	5	29	10.0	838	193	969	2000
10	10	27	8.5	715	385	900	2000
10	30	18	2.8	239	1154	607	2000
13	15	16	10.6	889	577	534	2000
15	5	15	15.7	1309	193	498	2000
15	20	8	11.4	953	770	277	2000
15	25	6	10.0	838	962	200	2000
15	30	4	8.5	714	1153	133	2000

The data presented herein are believed to be accurate but are in no way guaranteed. Honeywell assumes no liability in connection with any use for the products discussed and it makes no warranty, express or implied, in that respect, nor can it be assumed that all safety measures are indicated herein or that other or additional measures may not be required. The user, therefore, must assume full responsibility, both as to persons and as to property, for the use of these materials including any use which might be covered by patent.

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