

PLANT NUTRIENTS

# Bulk Blending Fertilizer Formulation Guide

## Sulf-N® Ammonium Sulfate Formulations

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

### Dry Blend Fertilizer Formulations\* – Raw Materials

Raw Materials	Nutrient Content
Sulf-N® Ammonium Sulfate	21-0-0-24S
Ammonium Nitrate (AN)	33.5-0-0
Urea	46-0-0
Diammonium Phosphate (DAP)	18-46-0
Monoammonium Phosphate (MAP)	11-52-0
Triple Super Phosphate	0-46-0
Potash (KCl)	0-0-60

\*No filler is needed

## Formulation

**Sulf-N® Ammonium Sulfate, 21-0-0-24S**

**Sulfate 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

## Formulation

**Sulf-N® Ammonium Sulfate, 21-0-0-24S**

**Sulfate 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

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**Formulation**

**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
5	14	27	5.8
6	10	30	6.8
7	12	24	8.0
8	7	28	9.1
8	10	24	9.1
9	10	20	10.7
9	14	15	10.6
10	7	21	11.9
12	6	18	13.6
13	5	15	15.3
14	6	12	16.0
14	8	8	16.6
16	4	8	18.7
16	6	6	18.3

Sulf-N®	Triple	KCI
490	610	900
570	435	995
670	530	800
762	305	933
765	435	800
898	435	667
890	610	500
996	304	700
1140	260	600
1282	218	500
1339	261	400
1385	348	267
1559	174	267
1525	270	205

Pounds
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000
2000

**Formulation**

**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
15	15	15	9.7
16	0	16	16.4
18	9	9	14.2
20	10	10	8.7

Sulf-N®	AN	DAP	KCI
808	39	653	500
1368	98	0	534
1185	123	392	300
725	506	435	334

Pounds
2000
2000
2000
2000

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## Formulation

Sulf-N® Ammonium Sulfate, 21-0-0-24S

Ammonium Nitrate, 33.5-0-0

Triple Super Phosphate, 0-46-0

Potash, 0-0-60

### Guaranteed Analysis

N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
7	16	24	2.7
8	16	16	9.2
8	24	8	6.8
12	12	12	11.6
14	7	14	12.6
18	9	9	7.5

### Pounds of Product

Sulf-N®	AN	Triple	KCl
230	274	696	800
770	0	696	534
570	120	1043	267
967	111	522	400
1050	179	304	467
625	684	391	300

### Total

Pounds
2000
2000
2000
2000
2000
2000

## Formulation

Sulf-N® Ammonium Sulfate, 21-0-0-24S

Urea, 46-0-0

Triple Super Phosphate, 0-46-0

Potash, 0-0-60

### Guaranteed Analysis

N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
8	16	16	9.2
8	16	24	2.5
8	24	8	7.5
12	12	12	12.2
14	7	14	13.6
15	15	15	4.3
18	9	9	11.5
18	9	18	5.0
20	10	10	8.0

### Pounds of Product

Sulf-N®	Urea	Triple	KCl
769	0	697	534
208	296	696	800
625	64	1044	267
1023	55	522	400
1133	95	305	467
358	489	653	500
959	349	392	300
428	590	392	600
666	565	435	334

### Total

Pounds
2000
2000
2000
2000
2000
2000
2000
2000
2000

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## Formulation

**Sulf-N® Ammonium Sulfate, 21-0-0-24S**

**Urea, 46-0-0**

**Diammonium Phosphate, 18-46-0**

**Potash, 0-0-60**

### Guaranteed Analysis

N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
15	15	15	9.9
16	0	16	17.0
18	9	9	15.0
19	10	11	12.0
20	10	20	4.4
20	10	10	11.7

### Pounds of Product

Sulf-N®	Urea	DAP	KCI
828	19	653	500
1417	49	0	534
1250	58	392	300
1000	199	434	367
367	531	435	667
979	253	434	334

### Total

Pounds
2000
2000
2000
2000
2000
2000

## Formulation

**Sulf-N® Ammonium Sulfate, 21-0-0-24S**

**Monoammonium Phosphate, 11-52-0**

**Potash, 0-0-60**

### Guaranteed Analysis

N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
8	24	24	3.7
10	30	15	4.5
11	5	25	11.7
12	10	20	11.5
13	15	15	11.3
14	8	16	14.0
15	20	5	13.1
15	24	4	11.2
16	8	10	16.4
16	10	9	16.0
17	7	7	17.8
18	10	3	18.3

### Pounds of Product

Sulf-N®	MAP	KCI
311	889	800
375	1112	513
982	185	833
963	370	667
947	555	498
1171	296	433
1093	740	167
941	926	133
1369	297	334
1330	370	300
1490	265	245
1525	371	104

### Total

Pounds
2000
2000
2000
2000
2000
2000
2000
2000
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2000
2000
2000

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## Formulation

**Sulf-N® Ammonium Sulfate, 21-0-0-24S**

**Urea, 46-0-0**

**Monoammonium Phosphate, 11-52-0**

**Potash, 0-0-60**

### Guaranteed Analysis

N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
10	5	13	9.3
14	14	14	11.6
15	30	5	7.4
18	20	10	7.0
20	5	25	3.3
30	10	5	5.4

### Pounds of Product

Sulf-N®	Urea	MAP	KCI
780	35	185	1000
970	44	519	467
617	105	111	167
585	340	741	334
281	700	185	834
453	1010	370	167

### Total

Pounds
2000
2000
2000
2000
2000
2000

## Formulation

**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

N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S
12	18	18	7.4
12	30	10	6.5
14	14	14	11.1
16	7	16	10.7
19	6	6	16.6
20	10	10	7.1

### Pounds of Product

Sulf-N®	AN	MAP	KCI
620	113	667	600
542	13	1111	334
930	84	519	467
896	310	260	534
1384	194	222	200
598	698	370	334

### Total

Pounds
2000
2000
2000
2000
2000
2000

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## Formulation

**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	KCI	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

## Formulation

**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	KCI	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

### Contact AdvanSix

To learn more about the benefits of Sulf-N® Ammonium Sulfate, visit [AdvanSix.com](http://AdvanSix.com) or [SulfN.com](http://SulfN.com) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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