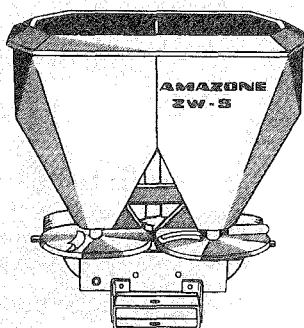
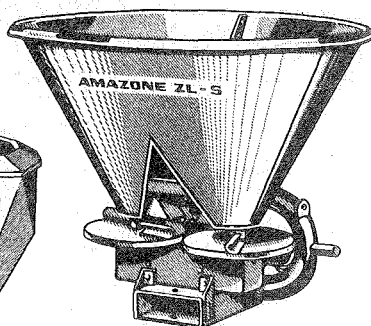
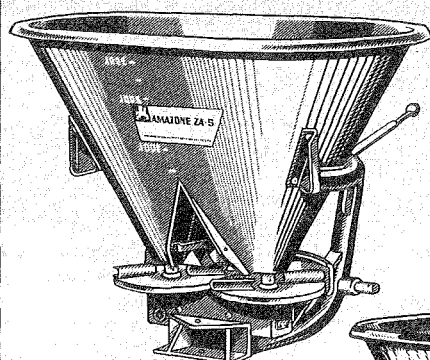


Setting chart for centrifugal broadcasters

AMAZONE

ZA-S, ZL-S, ZW-S

(Incorporating the SUPERSPREAD-SYSTEM)



AMAZONEN-WERKE H. DREYER

FACTORIES AT:

4501 GASTE/Osnabrück and 2872 HUDE i. Oldenburg

FACTORIES FOR:

Mineral-fertilizer spreaders, seed drills, reciprocating harrows,
potato grading-machines, fertilizer silos, conveyors.

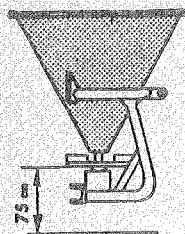


Printed in Western Germany

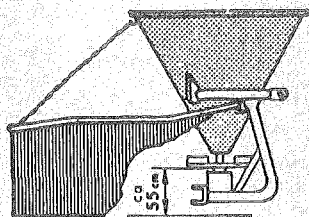
To increase the exactness of this spreading chart, 1 : 1 photographs showing the most common fertilizer granulations (especially of nitrogen-fertilizers) have been incorporated.

Please take a hand full of the fertilizer to be spread and compare its granulation with the photographs. At that photograph which resembles the sample the most, you will find in the relative section the spreading-width and the spreading-quantity in lbs/acre.

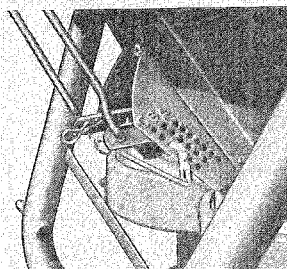
If you like to do things as exact as possible, please weigh 1 pint of the fertilizer to be spread and then compare the obtained weight per pint with the vertical section "Weight of fertilizer lbs per pint" of this chart.



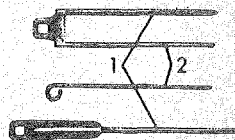
a) Position I
(75 cm = 29 1/2")



b) Position II
(approx. 55 cm = 21 3/4")

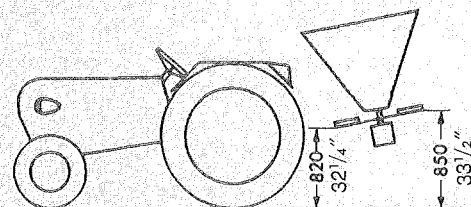


c)



d)

All application rates given are taken with the thick end of the control rod (1). Should intermediate quantities be required, these can be obtained by inserting the thin end of the rod (2) which gives you half a hole variation.



Increasing the working width to 40 feet for granulated fertilizers of Pictures No. 2 and No. 3.

Mount the broadcaster according to the above drawing.

Multiply the desired lbs/acre with 1,2 (40 feet are 20% more than 33 feet). With the result on hand now search in the tables No. 2 or No. 3 a figure which is similar to the one calculated and read off the corresponding setting of the Broadcasters.

Example:

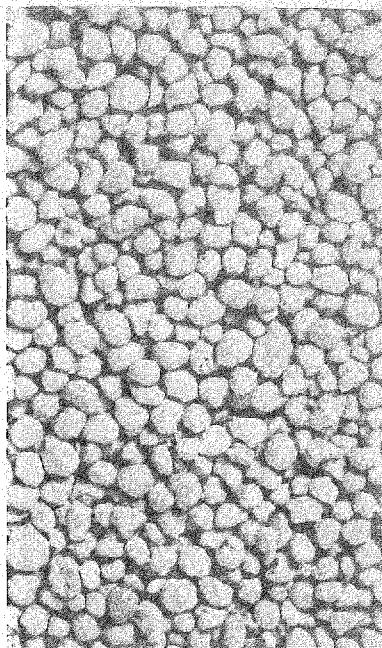
Your fertilizer corresponds to the granulation of picture No. 2 and the desired quantity is 265 lbs/acre at 40 feet working width and a forward speed of 5 m. p. h.

265 times 1,2 = 318 lbs/acre.

Table No. 2 shows at 317 lbs/acre and 5 m. p. h. a setting of C 5.



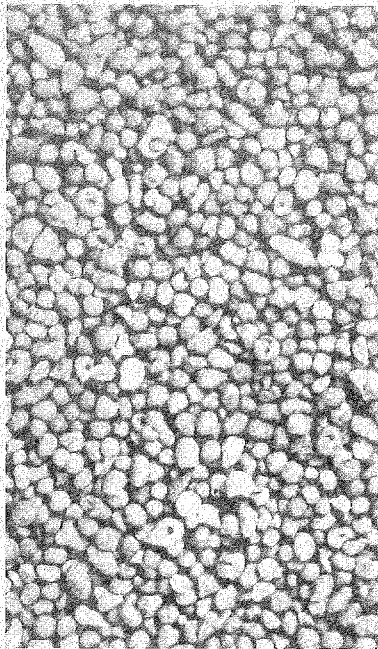
Weight of fertilizer lbs/pint approx. 1,13						with- out agi- tator
Effect. spreading width feet 30'-33'						
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre		—	—	—	—	—
	A2	79	53	40	32	26
	B2	119	79	59	48	40
	C2	164	110	82	66	55
	A3	238	158	119	95	79
	B3	331	220	165	132	110
	C3	397	265	198	159	132
	A4	467	317	238	192	159
	B4	569	379	284	227	190
	C4	661	441	331	265	220
	A5	759	507	379	304	253
	B5	860	573	429	344	287
	C5	926	617	463	370	309
	A6	992	661	495	397	331
	B6	1058	705	529	423	353
	C6	1111	741	555	445	370
	A7	1252	776	626	467	388



Weight of fertilizer lbs/pint approx. 1,21						with- out agi- tator ★
Effect. spreading width feet 33'						
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	C1	—	—	—	—	—
	A2	79	53	40	32	26
	B2	106	71	53	42	35
	C2	132	88	66	53	44
	A3	172	115	86	64	57
	B3	230	154	115	93	77
	C3	291	194	146	116	97
	A4	370	247	185	149	123
	B4	450	300	225	180	150
	C4	529	353	265	212	176
	A5	582	388	291	233	194
	B5	635	423	317	254	212
	C5	674	450	337	270	225
	A6	727	485	363	291	242
	B6	793	529	397	317	265
	C6	846	564	423	339	282
	A7	899	599	450	361	300

★ For pressure-sensitive fertilizers
(like Hyperphos products) order sp

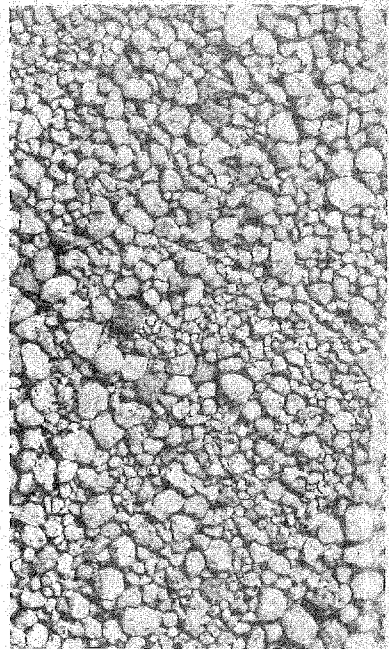
Deviations of the above quantities are possible at some newer fertilizers
In such a case determine your own figures.



Weight of fertilizer lbs/pint approx. 1,23
 Effect. spreading width feet 30'-33'
 Position I
 Power take-of 540 r. p. m.

with-
out
agi-
tator
★

Speed m. p. h.	2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	C1	—	—	—	—
	A2	58	40	29	24
	B2	93	62	46	37
	C2	132	88	66	53
	A3	198	132	99	79
	B3	265	176	132	106
	C3	331	220	165	132
	A4	397	265	198	159
	B4	476	317	238	190
	C4	569	379	284	227
	A5	635	423	317	254
	B5	714	476	357	286
	C5	793	529	397	317
	A6	860	573	429	344
	B6	912	608	456	361
	C6	965	644	482	388
	A7	1031	688	516	414



Weight of fertilizer lbs/pint approx. 1,23
 Effect. spreading width feet 30'
 Position I
 Power take-of 540 r. p. m.

with-
out
agi-
tator

Speed m. p. h.	2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	C1	—	—	—	—
	A2	106	71	53	42
	B2	159	106	79	64
	C2	198	132	99	79
	A3	251	168	125	101
	B3	317	212	159	127
	C3	397	265	198	159
	A4	463	309	231	185
	B4	555	370	278	222
	C4	661	441	331	265
	A5	727	485	363	291
	B5	833	555	416	333
	C5	926	617	463	370
	A6	1018	679	509	406
	B6	1098	732	548	441
	C6	1190	793	595	476
	A7				

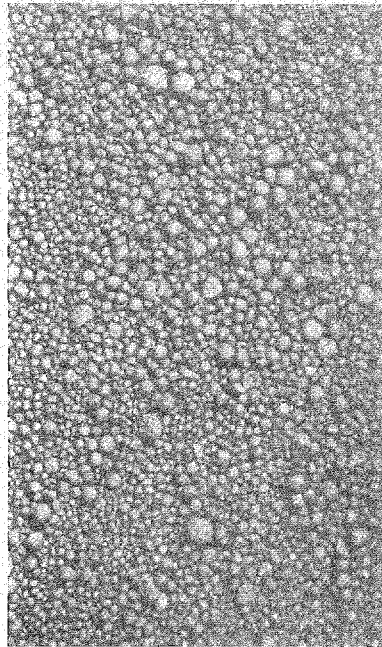
cial stirrer heads

which had been surface-treated.



Speed m. p. h.	with- out agi- tator
7.5	
35	
53	
66	
84	
106	
132	
154	
185	
220	
242	
278	
309	
339	
366	
397	

Weight of fertilizer lbs/pint approx. 1.25 Effect. spreading width feet 30' Position I Power take-of 540 r. p. m.						with- out agi- tator
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	C1	—	—	—	—	—
	A2	106	71	53	42	35
	B2	146	97	72	58	49
	C2	212	141	106	85	71
	A3	291	194	146	116	97
	B3	370	247	185	148	123
	C3	489	326	244	196	163
	A4	608	406	216	245	203
	B4	727	485	372	291	242
	C4	860	573	429	344	287
	A5	992	644	495	388	331
	B5	1058	705	529	423	353
	C5	1164	776	582	467	388
	A6	1230	820	614	494	410
	B6	1269	846	635	507	423
	C6	1322	882	661	529	441
	A7					



Weight of fertilizer lbs/pint approx. 1.26 Effect. spreading width feet 20' Position I Power take-of 540 r. p. m.						with- out agi- tator
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	B1	53	35	26	21	18
	C1	119	79	59	48	40
	A2	198	132	99	79	66
	B2	265	176	132	106	88
	C2	357	238	178	145	119
	A3	489	326	244	196	163
	B3	608	406	304	243	203
	C3	754	503	376	302	251
	A4	899	599	450	361	300
	B4					
	C4					
	A5					
	B5					
	C5					
	A6					
	B6					
	C6					

Calcium Nitrate (Calcium cyanamide), granulated

Weight of fertilizer lbs/pint approx. 1.89					with- out agi- tator	
Effect. spreading width feet 26.7'						
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B1	66	44	33	26	22
	C1	119	79	68	48	40
	A2	198	132	99	79	66
	B2	265	176	132	106	88
	C2	357	238	178	143	119
	A3	463	309	231	185	154
	B3	582	388	291	233	194
	C3	829	564	414	339	282
	A4					
	B4					
	C4					
	A5					
	B5					
	C5					
A6						
B6						
C6						

Basic Slag

Weight of fertilizer lbs/pint approx. 2,65		without agitator with dust protection cover				
Effect. spreading width feet 12,5'						
Position II						
Power take-of 450 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	B1	93	62	46	37	31
	C1	212	141	106	85	71
	A2	344	229	172	138	115
	B2	503	335	251	201	168
	C2	674	450	337	270	225
	A3	886	591	443	353	295
	B3	1098	732	548	441	366
	C3	1283	855	641	513	428
	A4	1494	996	747	598	498
	B4	1745	1164	873	696	582
	C4	2010	1340	1006	802	670
	A5	2354	1569	1177	943	785
	B5	2684	1790	1342	1076	895
	C5	2988	1992	1494	1190	996
	A6	3345	2230	1672	1340	1115
	B6	3703	2468	1851	1481	1234
	C6					

Sulphate of Ammonia (Cristalline)

Weight of fertilizer lbs/pint approx. 1,26					with- out agi- tator	
Effect. spreading width feet 25'						
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B1					
	C1	—	—	—	—	—
	A2	132	88	66	53	44
	B2	185	123	93	74	62
	C2	265	176	132	106	88
	A3	384	256	191	153	128
	B3	489	326	244	196	163
	C3	608	406	304	245	203
	A4	754	503	376	302	251
	B4	899	599	450	361	300
	C4	1031	688	516	414	344
	A5					
	B5					
	C5					
	A6					
	B6					
	C6					

Muriate of Potash, fine grain

Weight of fertilizer lbs/pint approx. 1.39		without agitator with dust pro- tection cover				
Effect. spreading width feet 12.5'						
Position II						
Power take-of 540 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	B1	132	88	66	53	44
	C1	317	212	159	127	106
	A2	503	335	251	201	168
	B2	714	476	357	286	238
	C2	939	626	469	376	313
	A3	1203	802	601	480	401
	B3	1481	987	741	591	494
	C3	1825	1217	912	732	608
	A4	2217	1472	1108	882	736
	B4	2565	1710	1283	1027	855
	C4	2843	1895	1421	1137	948
	A5					
	B5					
	C5					
	A6					
	B6					
C6						

**2:1 Mixture of Basic Slag with
Muriate of Potash, dry condition**

Weight of fertilizer lbs/pint approx. 2,20		without agitator with dust protection cover				
Effect. spreading width feet 12,5'		Position I				
Power take-of 450 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B1	159	106	79	64	53
	C1	344	229	172	138	115
	A2	542	361	271	217	181
	B2	780	520	389	312	260
	C2	1018	679	509	407	339
	A3	1362	908	681	547	454
	B3	1745	1164	873	696	582
	C3	2195	1463	1098	882	732
	A4	2645	1763	1322	1058	882
	B4					
	C4					
	A5					
	B5					
	C5					
	A6					
	B6					
	C6					

**2:1 Mixture of Basic Slag with
Muriate of Potash moistened with
3 pints of water per 100 lbs.**

Weight of fertilizer lbs/pint approx. 2,27		with agitator, change setting of curved blades				
Effect. spreading width feet 23'		Position I				
Power take-of 540 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B1					
	C1	—	—	—	—	—
	A2	106	71	53	42	35
	B2	146	97	72	58	49
	C2	190	136	95	77	64
	A3	278	185	138	110	93
	B3	397	265	198	159	132
	C3	529	353	265	212	176
	A4	688	458	344	275	229
	B4	820	547	410	328	273
	C4	926	617	463	370	309
	A5	1031	688	516	414	344
	B5	1124	749	562	450	375
	C5	1203	802	601	480	401
	A6	1250	838	628	503	419
	B6	1307	864	654	520	436
	C6	1336	961	667	533	445

Spreading chart for Grain and Feed crops

Rye

Effect. spreading width feet 18'		without agitator				
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B2	79,3	52,9	39,7	30,9	26,4
	C2	136,6	92,6	70,5	57,3	44,1
	A3	211,6	141	105,8	83,7	70,5
	B3	317,4	211,6	158,7	127,8	105,8
	C3	396,7	264,5	198,3	158,7	132,2
	A4	498,1	330,6	246,8	198,3	167,5

Wheat

Effect. spreading width feet 21 1/3'		without agitator				
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B2	101,4	66,1	48,5	39,7	35,3
	C2	171,9	114,6	83,7	66,1	57,3
	A3	242,4	163,1	123,4	97	79,3
	B3	343,8	229,2	171,9	136,6	114,6
	C3	449,6	299,7	224,8	198,3	149,9
	A4	528,9	352,6	264,5	211,6	176,3

Barley

Effect. spreading width feet 16 1/2'		without agitator				
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.		2,5	3,7	5	6,2	7,5
Distributed quantity in lbs per acre	B2	88,2	57,3	44,1	35,3	30,9
	C2	167,5	110,2	83,7	66,1	57,3
	A3	246,8	163,1	123,4	97	83,7
	B3	370,2	246,8	185,1	149,9	123,4
	C3	476	317,4	238	189,5	158,7

Bitterlupines

Effect. spreading width feet 23'				with- out agi- tator
Position I				
Power take-of 540 r. p. m.				
3,7	5	6,2	7,5	
66,1	43,5	39,7	35,3	
105,8	79,3	61,7	52,9	
149,9	110,2	88,2	74,9	
193,9	145,5	114,6	97	
246,8	185,1	149,9	123,4	
290,9	216	176,3	145,5	

Effect. spreading width feet 16½'						with- out agi- tator
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	B2	158,7	105,8	79,3	61,7	52,9
	C2	229,2	154,3	114,6	92,6	74,9
	A3	308,5	207,2	154,3	123,4	101,4
	B3	409,9	273,3	207,2	163,1	136,6
	C3	515,7	343,8	260,1	207,2	171,9
	A4	612,7	409,9	308,5	246,8	202,8

Red Clover or White Clover

Effect. spreading width feet 16½'				with- out agi- tator
Position I				
Power take-of 540 r. p. m.				
3,7	5	6,2	7,5	
74,9	57,3	44,1	39,7	
123,4	92,6	74,9	61,7	
167,5	127,8	101,4	83,7	
224,8	167,5	136,6	114,6	
282,1	211,6	167,5	141	
343,8	260,1	207,2	171,9	
414,3	312,9	246,8	207,2	
476	357	286,5	238	

Effect. spreading width feet 16½-19¾'						with- out agi- tator
Position I						
Power take-of 450 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	A1	5,3	3,5	2,6	2,2	1,8
	B1	17,6	11,5	8,8	7,1	5,7
	C1	39,7	26,4	20,3	15,9	13,2
	A2	52,9	35,3	26,4	21,2	17,6

Effect. spreading width feet 16½'				with- out agi- tator
Position I				
Power take-of 540 r. p. m.				
3,7	5	6,2	7,5	
7,5	5,7	4,4	3,7	
28,2	21,2	17,6	14,1	
43,5	35,3	26,4	22	

Pasture Mixture

- 45 % Meadow Fescue
- 11 % Timothy
- 22 % Engl. Ryegrass (Per.)
- 8 % Blue Grass (Kentucky)
- 6 % Red Fescue
- 8 % White Clover

Effect. spreading width feet 14¾'				with- out agi- tator
Position I				
Power take-of 540 r. p. m.				
3,7	5	6,2	7,5	
1,6	1,1	1	0,8	
5,9	4,4	3,5	2,9	
12,3	9,3	7,5	6,2	
17,6	13,2	10,6	8,8	

Effect. spreading width feet 11'						with- out agi- tator
Position I						
Power take-of 540 r. p. m.						
Speed m. p. h.	2,5	3,7	5	6,2	7,5	
Distributed quantity in lbs per acre	C1	10,6	7,9	5,3	4,4	3,5
	A2	21,2	13,2	10,6	7,9	6,2
	B2	39,7	26,4	20,3	15,9	13,2
	C2	79,3	52,9	39,7	30,9	26,4
	A3	132,2	83,7	66,1	48,5	41,4