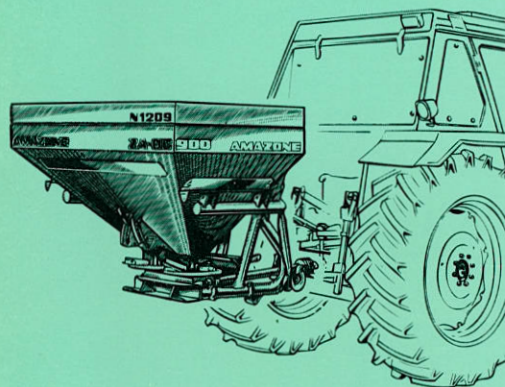


Fertilizer Setting Chart

for
Centrifugal Broadcasters

AMAZONE ZA-OC



**AMAZONEN
WERKE**

**H. DREYER
GmbH & Co. KG**

D-4507 Hasbergen-Gaste

Tel.: Hasbergen (0 54 05) *501-0

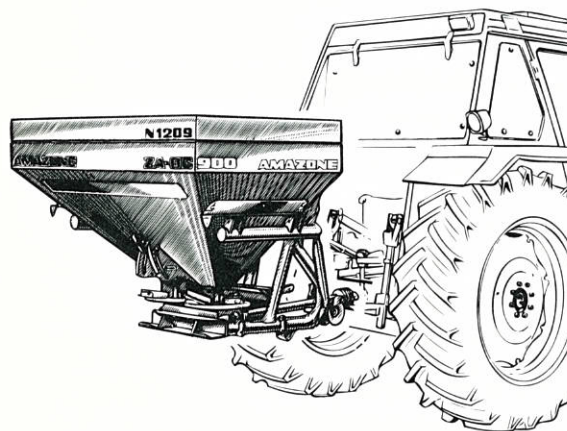
Fax.: (0 54 05) 5 01-1 93

Fertilizer Setting Chart

for

Centrifugal Broadcasters

AMAZONE ZA-OC



AMAZONEN-WERKE

H. DREYER GmbH & Co. KG

P.O. Box 51
D-4507 Hasbergen-Gaste
F.R. Germany

Phone (0 54 05) * 501-0
Telefax: (0 54 05) 50 11 93
Telex: 94 48 95 amazo d

Branch factories at D-2872 Hude · F 5702 Forbach
Subsidiaries in Great Britain and France

Factories for: Fertilizer-spreaders · Seed drills · Soil tillage machines · Field sprayers.

Contents	page
Hints for the setting of the machine	5
1. In General	5
2. Determination of the required shutter slide position for the spread rate with the aid of "Quantrol" (option for spread rate control).	5
3. Checking the effective working width	9
4. Late top dressing	9
5. Setting the working widths	11-17
6. Setting the spread rates for:	
ICI Nitram 34,5 % N Prills	18
Kemira Nitraprill 34,5 % N	18
Hydro EXTRAN 34,5 % N Granular ø 3,3 mm	19
CAN 27 % N Granular BASF (white)	20
CAN 27 % ø 3,42 mm DSM	21
Ammonium Nitrate 33,5 % ø 3,44 mm DSM	22
Ammoniumsulphate Granular, ø 2,09 mm DSM	23
ICI Turn-Out NP 26-13	24
Kemira Number seven NPK 17-17-17	25
Kemira twenty-ten-ten NPK 20-10-10	27
ICI Easi Cut NPK 20-8-14 No. 8	25
ICI First-Cut NPK 12-15-20 ø 3,34 mm	26
Kemira SWARDSMANN NPK 25-5-5	27
Kemira Number nine NPK 23-5-10	27
ICI Kaynitro NK 25-0-16	28
Superphosphate 20 % ø 3,30 mm	29
Triplephosphate 46 % ø 3,03 mm	30

Contents	page
K+S Magnesia-Kainit®	31
K+S ESTA® Kieserite granular, ø 3,32 mm	32
K+S ESTA® Kieserite standard	33
Contents of the special materials setting chart	
"Seeds an Slug Pellets"	37



Fig. 2.1



Fig. 2.2

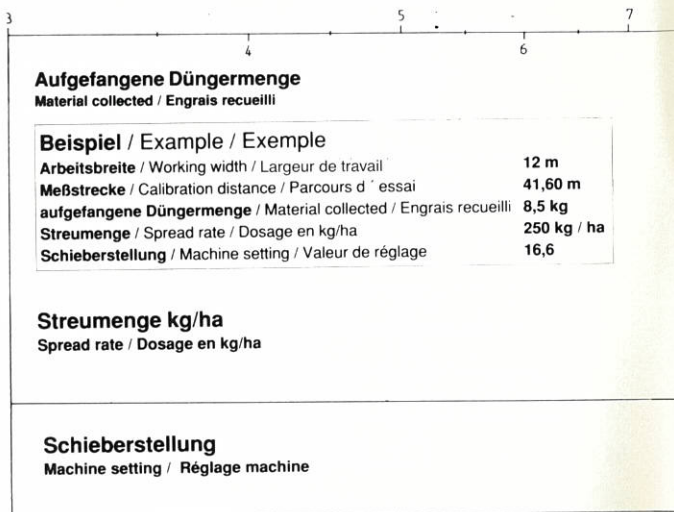


Fig. 2.3

Hints for the setting of the machine

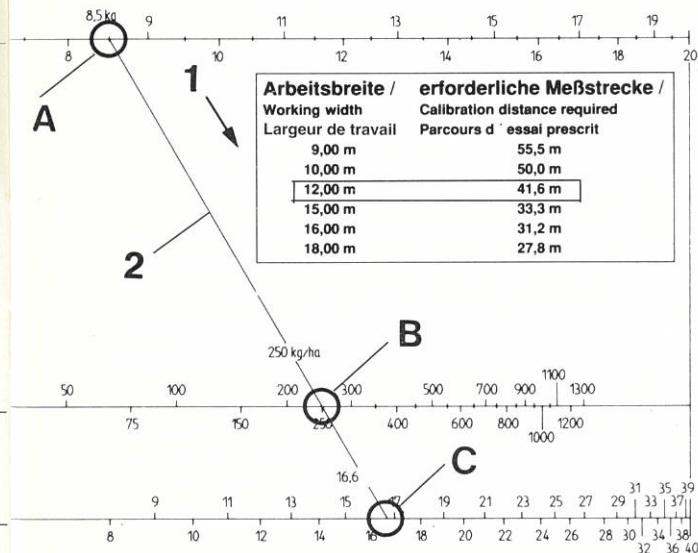
1. In General

The types of fertilizer mentioned in this setting chart were in perfect condition when the setting charts were determined. Due to possible variations in the fertilizer condition and humidity in the air etc. deviations from this charts' figures are unavoidable. To minimize spreading errors the following points should be adhered to:

1.1 If possible, choose a fertilizer type which is mentioned in this chart.

1.2 Store the fertilizer under normal storage conditions (i. e. dry, out of sunlight and separately by types and manufacturers).

1.3 The filled machine should be exactly set in the field according to the figures stated in the setting chart.



1.4 Before starting the spreading operation make a spread rate check with the calibration bucket supplied (see instruction manual).

1.5 The spread rates given in the tables herein refer to the fertilizer types as tested by us prior to the editing of this setting chart. Newly introduced fertilizers or fertilizers of different origins which are available under the same name can have different spreading properties (bulk density, granule size, friction etc.). If you have any doubt please consult our fertilizer application advisory service.

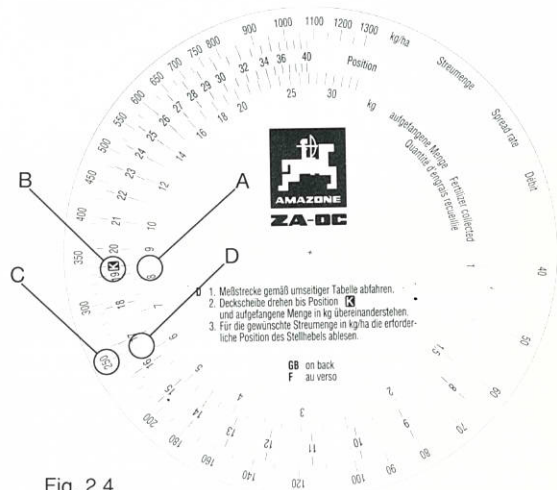


Fig. 2.4

2. Determination of the required shutter slide position for the spread rate with the aid of "Quantrol" (option for spread rate control).

With "Quantrol" (Fig. 2.1/1) which consists of a sideways positioned outlet chute it is possible to determine the required shutter slide position for the wanted spread rate **without setting chart** but with the aid of the **Nomogramme** or with the **disc rule**. In this way the variable spreading properties of different kinds of fertilizers will be considered in finding the correct shutter slide position.

Determine the shutter slide position as follows:



For determining the shutter slide position keep both shutter slides of the machine shut and stop the tractor's power take off shaft (pto).

- Hang the collecting bucket (Fig. 2.1/2) with its handle to the frame and ensure the bucket has locked within the clamping device (Fig. 2.1/3).
- Pull rope (Fig. 2.2/2) to open the side slide (Fig. 2.2/1) completely for approx. 5 sec. (to ensure an even flow of fertilizer). Empty the collected fertilizer back into the broadcaster.
- Now take from the table (Fig. 2.3/1) of the Nomogramme (Fig. 2.3) or from the table (on back) of disc rule (Fig. 2.4) the necessary travel distance for the required working width. Accurately measure on the field the travelling distance and mark its start and stop point.
- **Now drive along the marked distance from the start to the stop point under field conditions, i. e. with the accurate desired constant forward speed.** Ensure that the **side shutter slide** is opened completely by the rope **at the starting point** and shut **at the stop point**.
- Now weigh the fertilizer collected in the bucket.

a) Determination of the shutter slide position by Nomogramme

- Look for figure of collected weight of fertilizer (kg) on the upper scale (Fig. 2.3/A) and for desired spread rate (kg/ha) on the middle scale (Fig. 2.3/B). Line up both points (Fig. 2.3/2), e. g. by a rule, twine etc. Extending this linking line downwards over the lower scale will tell the required shutter slide position (Fig. 2.3/C).

b) Determination of the shutter slide position by disc rule

- Find the figure (Fig. 2.4/A) for the collected quantity of fertilizer (kg) on the inner scale of the disc rule (Fig. 2.4) and turn the coloured scale until the shutter slide position "K" (Fig. 2.4/B) is opposing. Now look for the required spread rate (Fig. 2.4/C) on the outer scale and read off the required shutter slide position (Fig. 2.4/D) on the coloured scale.

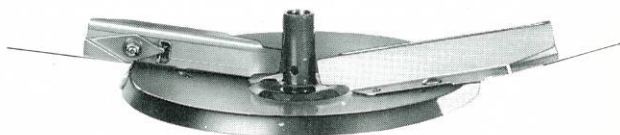


Fig. 4.1

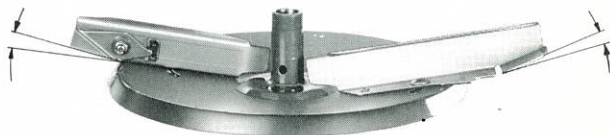


Fig. 4.2

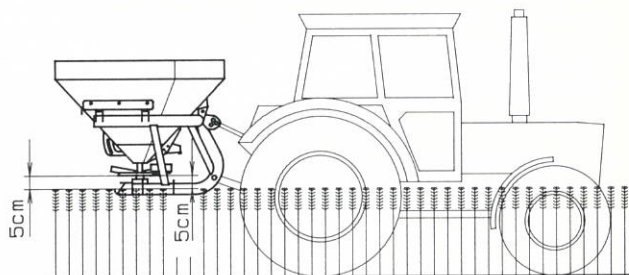


Fig. 4.3

Example

Desired working width:	12 m
Desired spread rate:	250 kg/ha
Planned forward speed:	8 kph
Travel distance for 12 m working width according to table:	41.6 m

When travelling the calibration distance (**41.6 m**) with constant working speed (**8 kph**) the collected fertilizer will be **8.5 kg**.

Determine from the **Nomogramme** the required shutter slide position for the spread rate of **250 kg/ha** as described above: **16.6**.

Read off the required shutter slide position for the spread rate of **250 kg/ha** as described: **16.6**.

3. Checking the effective working width

The effective working width can be checked by the mobile test kit. The mobile test kit may be obtained as a special option under No. 125 900. This mobile test kit should be made use of when it is intended to spread fertilizers which are not mentioned in the setting chart.

4. Late top dressing

The spreading discs of the ZA-OC are equipped as standard with swivel blades which, as well as for normal fertilizing, may also be used for late top dressing of crops up to 1 m tall. For normal fertilizing the swivel blade ends are placed in a downward position (Fig. 4.1). For late top dressing the swivel blade ends are swivelled upwards (Fig. 4.2) **without** any prior slackening of the nuts. The spread pattern is then lifted upwards.

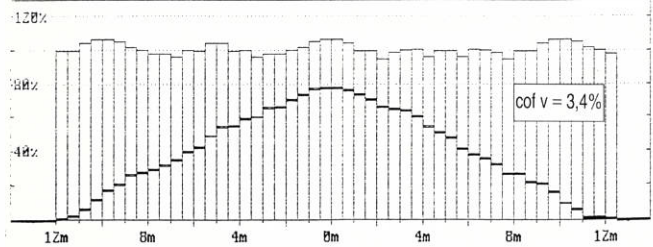
Then the broadcaster must be lifted on the tractor's three-point linkage to such a height, that the spinner discs are about 5 cm (2") above the tips of the crop (Fig. 4.3). Should the lifting height of the tractor's hydraulic system be insufficient, a crop lowerer (special option order No. 119 500) can be fitted to the rear of the broadcaster.

5. Setting the working widths

With the aid of the resettable vanes of the "Omnia-Set" discs the required working widths as predetermined by tramlines can be set simply for the various kinds of fertilizers. In the setting chart a special setting position of the vane is available for every working width. With some fertilizer kinds it is possible to spread with one vane position over various working widths. One example for this is CAN. The basic spread pattern - produced with the vane position 8/41 - has been overlapped to working widths of 10 m and 12 m. In both cases an even spread pattern is produced.

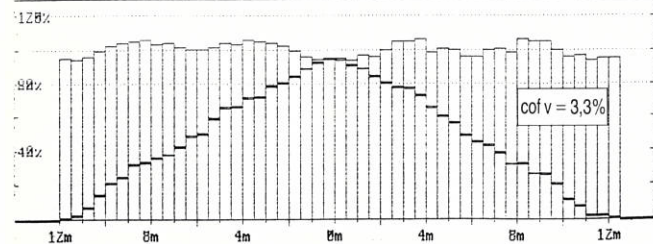
Spread pattern at 10 m eff. working width

Overlapping to and fro

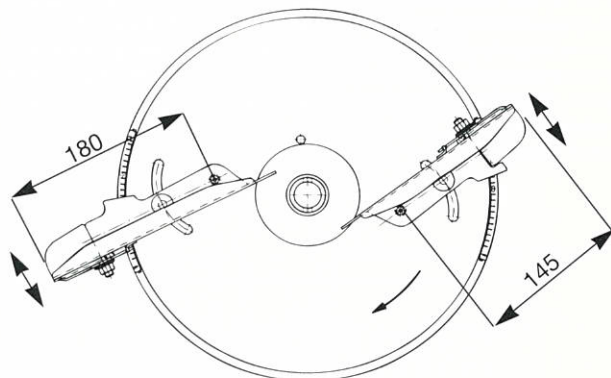


Spread pattern at 12 m eff. working width

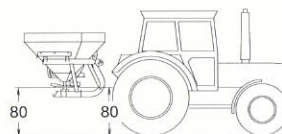
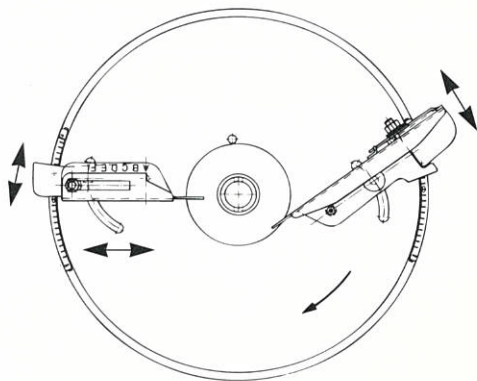
Overlapping to and fro



OMNIA-SET



TELE-QUICK



Omnia-Set

GB
11.92

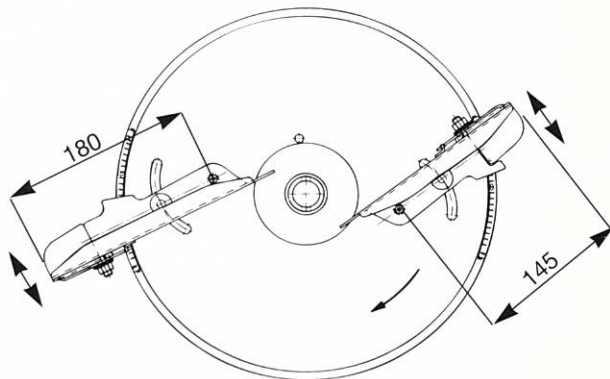
Position of the vanes in dependence of types of fertilizer and of the working width.

Type of fertilizer		Effective working width					Spreadr. s. page
		10 m	12 m	15 m	16 m	18 m	
ICI Nitram 34,5 % N Prills	Omnia-Set	7/41	7/41	8/42	8/43	10/43	18
	Tele-Quick	A/47	C/47	D/47	E/47	F/46	
Kemira Nitraprill 34,5 % N	Omnia-Set	6/40	7/41	8/43	9/43	10/43	18
	Tele-Quick	A/47	B/47	C/47	E/47	F/47	
Hydro EXTRAN 34,5 % N Granular ϕ 3,3 mm	Omnia-Set	6/40	6/41	8/41	8/42	10/43	19
	Tele-Quick	A/47	B/47	C/47	E/47	F/47	
CAN 27 % N Granular BASF (white)	Omnia-Set	8/41	8/41	9/43	9/43	10/43	20
	Tele-Quick	A/47	B/47	D/47	E/47	F/47	
CAN 27 % ϕ 3,42 mm DSM	Omnia-Set	7/41	7/41	8/41	8/41	10/42	21
	Tele-Quick	³⁾ A/47	³⁾ B/47	C/47	D/47	E/47	
Ammonium Nitrate 33,5 % ϕ 3,44 mm DSM	Omnia-Set	8/41	8/41	9/42	9/42	11/44	22
	Tele-Quick	³⁾ A/47	A/47	C/47	D/47	E/47	
Ammoniumsulphate Granular, ϕ 2,09 mm DSM	Omnia-Set	6/41	6/41	8/42	8/42	10/42	23
	Tele-Quick	³⁾ A/47	A/47	B/47	C/47	F/47	
ICI Turn-Out NP 26-13	Omnia-Set	1/34	3/38	4/40	5/42	6/41	24
	Tele-Quick	A/47	B/47	D/47	E/47	F/47	
Kemira Number seven NPK 17-17-17	Omnia-Set	6/41	6/41	8/41	9/41	10/42	25
	Tele-Quick	A/47	B/47	D/47	D/45	F/47	

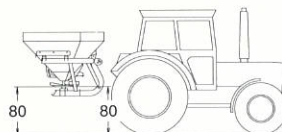
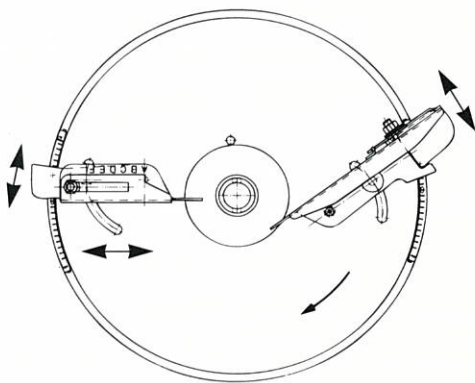
* The mentioned spreading vane positions should not be used to spread uncovered prills at a rate less than 85 kg (1½ cwt/ace) at bout of 18 m. However, depending on the momentary condition of the fertilizer it may be possible to determine an improved spread pattern of lower rates than recommended by us by a self-calibration after having set the vanes forward.

³⁾ Set short vane on boundary side disc to pos. '0'.

OMNIA-SET



TELE-QUICK



Omnia-Set

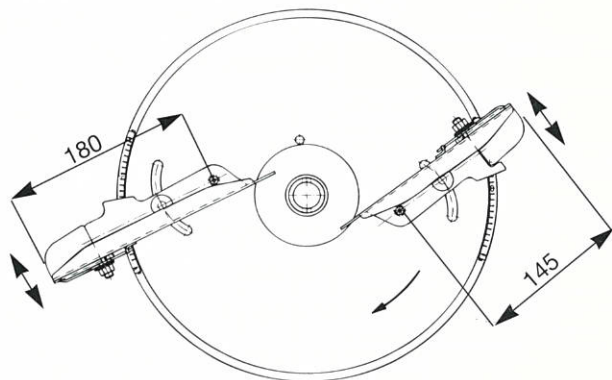
GB
11.92

Position of the vanes in dependence of types of fertilizer and of the working width.

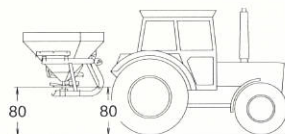
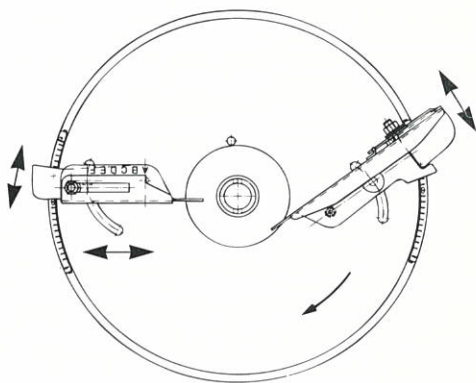
Type of fertilizer		Effective working width					Spreadr. s. page
		10 m	12 m	15 m	16 m	18 m	
Kemira twenty-ten-ten NPK 20-10-10	Omnia-Set	4/39	4/39	5/39	6/39	6/41	27
	Tele-Quick	A/47	B/47	D/47	E/47	F/47	
ICI Easi Cut NPK 20-8-14 No. 8	Omnia-Set	4/39	5/40	6/41	6/41	7/40	25
	Tele-Quick	A/47	B/47	D/47	D/47	F/47	
ICI First-Cut NPK 12-15-20 ø 3,34 mm	Omnia-Set	1/32	3/36	4/38	5/40	6/40	26
	Tele-Quick	A/47	B/47	C/47	E/47	F/47	
Kemira SWARSDMANN NPK 25-5-5	Omnia-Set	6/41	6/41	7/41	8/41	9/41	27
	Tele-Quick	A/47	B/47	D/47	E/45	F/47	
Kemira Number nine NPK 23-5-10	Omnia-Set	3/39	3/39	5/41	6/41	7/42	27
	Tele-Quick	A/47	A/47	E/47	F/46	F/47	
ICI Kaynitro NK 25-0-16	Omnia-Set	3/38	4/40	6/41	7/41	9/43	28
	Tele-Quick	A/47	B/47	D/47	E/47	F/47	
Superphosphate 20 % ø 3,30 mm	Omnia-Set	5/37 ³⁾	5/38	7/40	7/40	9/41	29
	Tele-Quick	A/44	A/47	B/47	C/47	D/47	
Triplephosphate 46 % ø 3,03 mm	Omnia-Set	7/40	7/40	7/42	7/42	9/42	30
	Tele-Quick	A/44	A/47	B/47	C/47	E/47	
K+S Magnesia-Kainit ®	Omnia-Set	3/38	4/38	5/39	6/40	7/42	31
	Tele-Quick	A/47	B/47	D/47	E/47	F/47	
K+S ESTA ® Kieserite granular, ø 3,32 mm	Omnia-Set	6/37	6/37	7/39	7/39	8/41	32
	Tele-Quick ³⁾	A/44	A/47	C/47	D/47	E/47	

3) Set short vane on boundary side disc to pos. '0'.

OMNIA-SET



TELE-QUICK



Omnia-Set

GB
11.92

Position of the vanes in dependence of types of fertilizer and of the working width.

Type of fertilizer		Effective working width					Spreadr. s. page
		6 m	8 m				
K+S ESTA ® Kieserite standard	Omnia-Set	2/42	2/43				33
	Tele-Quick	B/47	F/47				
	Omnia-Set						
	Tele-Quick						
	Omnia-Set						
	Tele-Quick						
	Omnia-Set						
	Tele-Quick						
	Omnia-Set						
	Tele-Quick						
	Omnia-Set						
	Tele-Quick						
	Omnia-Set						
	Tele-Quick						
	Omnia-Set						
	Tele-Quick						

Kemira Nitraprill 34,5 % N **ICI Nitram 34,5 % Prills**

Bulk density approx.: 1,04 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
7	88	70	58		73	58	49		58	47	39		55	44	37		49	39	32					
8	110	88	73		91	73	61		73	58	49		69	55	46		61	49	41					
9	135	108	90		112	90	75		90	72	60		84	67	56		75	60	50					
10	162	130	108		135	108	90		108	87	72		101	81	68		90	72	60					
11	193	155	129		161	129	107		129	103	86		121	97	81		107	86	72					
12	228	182	152		190	152	126		152	121	101		142	114	95		126	101	84					
13	265	212	177		221	177	147		177	141	118		166	132	110		147	118	98					
14	305	244	204		255	204	170		204	163	136		191	153	127		170	136	113					
15	349	279	233		291	233	194		233	186	155		218	175	145		194	155	129					
16	396	317	264		330	264	220		264	211	176		248	198	165		220	176	147					
17	446	357	297		372	297	248		297	238	198		279	223	186		248	198	165					
18	499	399	332		416	332	277		332	266	222		312	249	208		277	222	185					
19	554	443	370		462	370	308		370	296	246		346	277	231		308	246	205					
20	613	490	408		510	408	340		408	327	272		383	306	255		340	272	227					
21	673	539	449		561	449	374		449	359	299		421	337	280		374	299	249					
22	736	589	491		613	491	409		491	393	327		460	368	307		409	327	273					
23	801	641	534		667	534	445		534	427	356		500	400	334		445	356	297					
24	867	694	578		723	578	482		578	462	385		542	434	361		482	385	321					
25	935	748	623		779	623	519		623	499	416		584	467	390		519	416	346					
26	1004	803	669		836	669	558		669	535	446		627	502	418		558	446	372					
27	1073	858	715		894	715	596		715	572	477		671	537	447		596	477	397					
28	1143	914	762		952	762	635		762	609	508		714	571	476		635	508	423					
29	1212	970	808		1010	808	673		808	647	539		758	606	505		673	539	449					
30	1281	1025	854		1068	854	712		854	683	569		801	641	534		712	569	474					
31	1349	1079	899		1124	899	749		899	719	599		843	674	562		749	599	500					
32	1415	1132	943		1179	943	786		943	755	629		884	707	589		786	629	524					
33	1479	1183	986		1232	986	821		986	789	657		924	739	616		821	657	548					
34	1540	1232	1027		1283	1027	855		1027	821	684		962	770	642		855	684	570					
35	1598	1278	1065		1331	1065	888		1065	852	710		999	799	666		888	710	592					
36	1652	1321	1101		1376	1101	918		1101	881	734		1032	826	688		918	734	612					

Hydro Extran 34,5 % Granular

Bulk density approx.: 0,98 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	121	96	80		101	80	67		80	64	54		75	60	50		67	54	45					
11	144	115	96		120	96	80		96	77	64		90	72	60		80	64	53					
12	169	135	113		141	113	94		113	90	75		106	84	70		94	75	63					
13	197	157	131		164	131	109		131	105	87		123	98	82		109	87	73					
14	227	181	151		189	151	126		151	121	101		142	113	95		126	101	84					
15	259	207	173		216	173	144		173	138	115		162	130	108		144	115	96					
16	294	235	196		245	196	163		196	157	131		184	147	123		163	131	109					
17	331	265	221		276	221	184		221	177	147		207	166	138		184	147	123					
18	370	296	247		309	247	206		247	198	165		232	185	154		206	165	137					
19	412	329	274		343	274	229		274	220	183		257	206	172		229	183	152					
20	455	364	303		379	303	253		303	243	202		284	227	190		253	202	169					
21	500	400	333		417	333	278		333	267	222		312	250	208		278	222	185					
22	547	437	364		456	364	304		364	292	243		342	273	228		304	243	202					
23	595	476	397		496	397	330		397	317	264		372	297	248		330	264	220					
24	644	515	429		537	429	358		429	344	286		403	322	268		358	286	239					
25	694	556	463		579	463	386		463	370	309		434	347	289		386	309	257					
26	745	596	497		621	497	414		497	398	331		466	373	311		414	331	276					
27	797	638	531		664	531	443		531	425	354		498	399	332		443	354	295					
28	849	679	566		707	566	472		566	453	377		530	424	354		472	377	314					
29	900	720	600		750	600	500		600	480	400		563	450	375		500	400	333					
30	951	761	634		793	634	529		634	507	423		595	476	396		529	423	352					
31	1002	801	668		835	668	557		668	534	445		626	501	417		557	445	371					
32	1051	841	701		876	701	584		701	560	467		657	525	438		584	467	389					
33	1098	879	732		915	732	610		732	586	488		686	549	458		610	488	407					
34	1144	915	762		953	762	635		762	610	508		715	572	477		635	508	424					
35	1187	949	791		989	791	659		791	633	527		742	593	494		659	527	439					
36	1227	981	818		1022	818	681		818	654	545		767	613	511		681	545	454					
37	1263	1011	842		1053	842	702		842	674	561		790	632	526		702	561	468					
38	1296	1037	864		1080	864	720		864	691	576		810	648	540		720	576	480					
39	1324	1059	883		1103	883	736		883	706	589		828	662	552		736	589	490					

CAN 27 % Granular (white)

BASF

Bulk density approx.: 1,00 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	127	102	85		106	85	70		85	68	56		79	63	53		70	56	47					
11	151	121	101		126	101	84		101	81	67		94	76	63		84	67	56					
12	178	142	119		148	119	99		119	95	79		111	89	74		99	79	66					
13	207	166	138		172	138	115		138	110	92		129	103	86		115	92	77					
14	239	191	159		199	159	133		159	127	106		149	119	99		133	106	88					
15	273	218	182		227	182	152		182	146	121		171	136	114		152	121	101					
16	309	248	206		258	206	172		206	165	138		193	155	129		172	138	115					
17	348	279	232		290	232	194		232	186	155		218	174	145		194	155	129					
18	390	312	260		325	260	217		260	208	173		244	195	162		217	173	144					
19	433	347	289		361	289	241		289	231	193		271	217	180		241	193	160					
20	479	383	319		399	319	266		319	255	213		299	239	199		266	213	177					
21	526	421	351		438	351	292		351	281	234		329	263	219		292	234	195					
22	575	460	383		479	383	320		383	307	256		359	288	240		320	256	213					
23	626	501	417		521	417	348		417	334	278		391	313	261		348	278	232					
24	678	542	452		565	452	376		452	361	301		424	339	282		376	301	251					
25	731	584	487		609	487	406		487	390	325		457	365	304		406	325	271					
26	784	627	523		654	523	436		523	418	349		490	392	327		436	349	290					
27	839	671	559		699	559	466		559	447	373		524	419	349		466	373	311					
28	893	714	595		744	595	496		595	476	397		558	446	372		496	397	331					
29	947	758	631		789	631	526		631	505	421		592	474	395		526	421	351					
30	1001	801	667		834	667	556		667	534	445		626	501	417		556	445	371					
31	1054	843	703		878	703	586		703	562	468		659	527	439		586	468	390					
32	1106	884	737		921	737	614		737	590	491		691	553	461		614	491	409					
33	1155	924	770		963	770	642		770	616	514		722	578	481		642	514	428					
34	1203	963	802		1003	802	668		802	642	535		752	602	501		668	535	446					
35	1248	999	832		1040	832	694		832	666	555		780	624	520		694	555	462					
36	1291	1032	860		1075	860	717		860	688	574		807	645	538		717	574	478					
37	1329	1063	886		1108	886	738		886	709	591		831	665	554		738	591	492					
38	1363	1091	909		1136	909	757		909	727	606		852	682	568		757	606	505					
39	1393	1114	929		1161	929	774		929	743	619		871	697	580		774	619	516					

CAN 27 %, ø 3,42 mm

DSM

Bulk density approx.: 1,02 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	126	101	84		105	84	70		84	67	56		79	63	53		70	56	47					
11	150	120	100		125	100	84		100	80	67		94	75	63		84	67	56					
12	177	142	118		147	118	98		118	94	79		111	88	74		98	79	66					
13	206	165	137		172	137	114		137	110	92		129	103	86		114	92	76					
14	238	190	158		198	158	132		158	127	106		148	119	99		132	106	88					
15	272	217	181		226	181	151		181	145	121		170	136	113		151	121	101					
16	308	246	205		257	205	171		205	164	137		192	154	128		171	137	114					
17	347	277	231		289	231	193		231	185	154		217	173	144		193	154	128					
18	388	310	259		323	259	215		259	207	172		242	194	162		215	172	144					
19	431	345	287		359	287	239		287	230	192		269	216	180		239	192	160					
20	476	381	318		397	318	265		318	254	212		298	238	198		265	212	176					
21	524	419	349		436	349	291		349	279	233		327	262	218		291	233	194					
22	572	458	382		477	382	318		382	305	254		358	286	238		318	254	212					
23	623	498	415		519	415	346		415	332	277		389	311	259		346	277	231					
24	674	539	450		562	450	375		450	360	300		421	337	281		375	300	250					
25	727	582	485		606	485	404		485	388	323		454	364	303		404	323	269					
26	781	624	520		650	520	434		520	416	347		488	390	325		434	347	289					
27	835	668	556		695	556	464		556	445	371		522	417	348		464	371	309					
28	889	711	592		741	592	494		592	474	395		555	444	370		494	395	329					
29	943	754	628		786	628	524		628	503	419		589	471	393		524	419	349					
30	996	797	664		830	664	553		664	531	443		623	498	415		553	443	369					
31	1049	839	699		874	699	583		699	559	466		656	524	437		583	466	388					
32	1100	880	733	917	733	611		733	587	489		688	550	458		611	489	407						
33	1150	920	767	958	767	639		767	613	511		719	575	479		639	511	426						
34	1197	958	798	998	798	665		798	639	532		748	599	499		665	532	444						
35	1242	994	828	1035	828	690		828	663	552		777	621	518		690	552	460						
36	1284	1027	856	1070	856	714		856	685	571		803	642	535		714	571	476						
37	1323	1058	882	1102	882	735		882	705	588		827	661	551		735	588	490						
38	1357	1085	905	1131	905	754		905	724	603		848	678	565		754	603	503						
39	1386	1109	924	1155	924	770		924	739	616		866	693	578		770	616	513						

Ammonium Nitrate 33,5 %**ø 3,44 mm****DSM**

Bulk density approx.: 0,96 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha																
	Effective width of spread																												
	10 m			12 m			15 m			16 m			18 m																
	km/h			km/h			km/h			km/h			km/h																
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12											
10	116	93	77	97	77	64	77	62	51	72	58	48	64	51	43														
11	138	110	92	115	92	77	92	74	61	86	69	57	77	61	51														
12	162	130	108	135	108	90	108	87	72	101	81	68	90	72	60														
13	189	151	126	157	126	105	126	101	84	118	94	79	105	84	70														
14	218	174	145	182	145	121	145	116	97	136	109	91	121	97	81														
15	249	199	166	208	166	138	166	133	111	156	125	104	138	111	92														
16	282	226	188	235	188	157	188	151	126	177	141	118	157	126	105														
17	318	254	212	265	212	177	212	170	141	199	159	133	177	141	118														
18	356	285	237	296	237	198	237	190	158	222	178	148	198	158	132														
19	395	316	264	330	264	220	264	211	176	247	198	165	220	176	146														
20	437	350	291	364	291	243	291	233	194	273	218	182	243	194	162														
21	480	384	320	400	320	267	320	256	213	300	240	200	267	213	178														
22	525	420	350	438	350	292	350	280	233	328	263	219	292	233	194														
23	571	457	381	476	381	317	381	305	254	357	286	238	317	254	212														
24	619	495	412	515	412	344	412	330	275	387	309	258	344	275	229														
25	667	534	445	556	445	370	445	356	296	417	333	278	370	296	247														
26	716	573	477	597	477	398	477	382	318	447	358	298	398	318	265														
27	765	612	510	638	510	425	510	408	340	478	383	319	425	340	283														
28	815	652	543	679	543	453	543	435	362	509	408	340	453	362	302														
29	865	692	576	721	576	480	576	461	384	540	432	360	480	384	320														
30	914	731	609	761	609	508	609	487	406	571	457	381	508	406	338														
31	962	770	641	802	641	534	641	513	428	601	481	401	534	428	356														
32	1009	807	673	841	673	561	673	538	449	631	505	420	561	449	374														
33	1055	844	703	879	703	586	703	563	469	659	527	439	586	469	391														
34	1098	879	732	915	732	610	732	586	488	686	549	458	610	488	407														
35	1140	912	760	950	760	633	760	608	506	712	570	475	633	506	422														
36	1178	942	785	982	785	654	785	628	524	736	589	491	654	524	436														
37	1213	971	809	1011	809	674	809	647	539	758	607	505	674	539	449														
38	1245	996	830	1037	830	691	830	664	553	778	622	519	691	553	461														
39	1272	1017	848	1060	848	706	848	678	565	795	636	530	706	565	471														

Ammoniumsulphate**Granular, ø 2,09 mm****DSM**

Bulk density approx.: 1,07 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha														
	Effective width of spread																										
	10 m			12 m			15 m			16 m			18 m														
	km/h			km/h			km/h			km/h			km/h														
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12									
7	68	55	45	57	45	38	45	36	30	43	34	28	38	30	25												
8	85	68	57	71	57	47	57	45	38	53	43	36	47	38	32												
9	105	84	70	87	70	58	70	56	46	65	52	44	58	46	39												
10	126	101	84	105	84	70	84	67	56	79	63	53	70	56	47												
11	150	120	100	125	100	83	100	80	67	94	75	63	83	67	56												
12	177	141	118	147	118	98	118	94	79	111	88	74	98	79	65												
13	206	165	137	172	137	114	137	110	91	129	103	86	114	91	76												
14	237	190	158	198	158	132	158	127	105	148	119	99	132	105	88												
15	271	217	181	226	181	151	181	145	121	170	136	113	151	121	100												
16	308	246	205	256	205	171	205	164	137	192	154	128	171	137	114												
17	347	277	231	289	231	193	231	185	154	217	173	144	193	154	128												
18	388	310	258	323	258	215	258	207	172	242	194	161	215	172	144												
19	431	345	287	359	287	239	287	230	191	269	215	179	239	191	160												
20	476	381	317	397	317	264	317	254	212	298	238	198	264	212	176												
21	523	419	349	436	349	291	349	279	233	327	262	218	291	233	194												
22	572	458	381	477	381	318	381	305	254	357	286	238	318	254	212												
23	622	498	415	519	415	346	415	332	277	389	311	259	346	277	230												
24	674	539	449	562	449	374	449	359	300	421	337	281	374	300	250												
25	727	581	484	605	484	404	484	387	323	454	363	303	404	323	269												
26	780	624	520	650	520	433	520	416	347	487	390	325	433	347	289												
27	834	667	556	695	556	463	556	445	371	521	417	347	463	371	309												
28	888	710	592	740	592	493	592	474	395	555	444	370	493	395	329												
29	942	754	628	785	628	523	628	502	419	589	471	392	523	419	349												
30	995	796	664	830	664	553	664	531	442	622	498	415	553	442	369												
31	1048	838	699	873	699	582	699	559	466	655	524	437	582	466	388												
32	1099	880	733	916	733	611	733	586	489	687	550	458	611	489	407												
33	1149	919	766	958	766	638	766	613	511	718	575	479	638	511	426												
34	1197	957	798	997	798	665	798	638	532	748	598	499	665	532	443												
35	1242	993	828	1035	828	690	828	662	552	776	621	517	690	552	460												
36	1283	1027	856	1069	856	713	856	684	570	802	642	535	713	570	475												

ICI Turn out NP 26-13

Bulk density approx.: 1,06 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	118	95	79		98	79	66		79	63	53		74	59	49		66	53	44					
11	141	113	94		117	94	78		94	75	63		88	70	59		78	63	52					
12	166	132	110		138	110	92		110	88	74		103	83	69		92	74	61					
13	193	154	129		161	129	107		129	103	86		120	96	80		107	86	71					
14	222	178	148		185	148	124		148	119	99		139	111	93		124	99	82					
15	254	203	169		212	169	141		169	136	113		159	127	106		141	113	94					
16	288	231	192		240	192	160		192	154	128		180	144	120		160	128	107					
17	325	260	216		270	216	180		216	173	144		203	162	135		180	144	120					
18	363	290	242		302	242	202		242	194	161		227	181	151		202	161	134					
19	403	323	269		336	269	224		269	215	179		252	202	168		224	179	149					
20	446	357	297		372	297	248		297	238	198		279	223	186		248	198	165					
21	490	392	327		408	327	272		327	261	218		306	245	204		272	218	181					
22	536	429	357		446	357	298		357	286	238		335	268	223		298	238	198					
23	583	466	389		486	389	324		389	311	259		364	291	243		324	259	216					
24	631	505	421		526	421	351		421	337	281		394	316	263		351	281	234					
25	680	544	454		567	454	378		454	363	302		425	340	284		378	302	252					
26	731	584	487		609	487	406		487	390	325		457	365	304		406	325	271					
27	781	625	521		651	521	434		521	417	347		488	391	325		434	347	289					
28	832	665	554		693	554	462		554	444	370		520	416	347		462	370	308					
29	882	706	588		735	588	490		588	471	392		551	441	368		490	392	327					
30	932	746	622		777	622	518		622	497	414		583	466	388		518	414	345					
31	982	785	654		818	654	545		654	524	436		613	491	409		545	436	364					
32	1030	824	686		858	686	572		686	549	458		644	515	429		572	458	381					
33	1076	861	717		897	717	598		717	574	478		673	538	448		598	478	399					
34	1121	897	747		934	747	623		747	598	498		700	560	467		623	498	415					
35	1163	930	775		969	775	646		775	620	517		727	581	484		646	517	431					
36	1202	962	801		1002	801	668		801	641	534		751	601	501		668	534	445					
37	1238	990	825		1032	825	688		825	660	550		774	619	516		688	550	458					
38	1270	1016	847		1058	847	705		847	677	564		794	635	529		705	564	470					
39	1298	1038	865		1081	865	721		865	692	577		811	649	541		721	577	481					

Kemira Number seven

NPK 17-17-17

ICI No. 8 Easi Cut

NPK 20-8-14

Bulk density approx.: 1,00 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	116	93	77		97	77	64		77	62	52		73	58	48		64	52	43					
11	138	111	92		115	92	77		92	74	61		86	69	58		77	61	51					
12	163	130	108		136	108	90		108	87	72		102	81	68		90	72	60					
13	189	151	126		158	126	105		126	101	84		118	95	79		105	84	70					
14	218	175	146		182	146	121		146	116	97		136	109	91		121	97	81					
15	250	200	166		208	166	139		166	133	111		156	125	104		139	111	92					
16	283	226	189		236	189	157		189	151	126		177	142	118		157	126	105					
17	319	255	212		266	212	177		212	170	142		199	159	133		177	142	118					
18	356	285	238		297	238	198		238	190	158		223	178	149		198	158	132					
19	396	317	264		330	264	220		264	211	176		248	198	165		220	176	147					
20	438	350	292		365	292	243		292	234	195		274	219	182		243	195	162					
21	481	385	321		401	321	267		321	257	214		301	241	200		267	214	178					
22	526	421	351		438	351	292		351	281	234		329	263	219		292	234	195					
23	572	458	382		477	382	318		382	305	254		358	286	238		318	254	212					
24	620	496	413		517	413	344		413	331	275		387	310	258		344	275	230					
25	668	535	446		557	446	371		446	356	297		418	334	278		371	297	248					
26	717	574	478		598	478	399		478	383	319		448	359	299		399	319	266					
27	767	614	511		639	511	426		511	409	341		479	384	320		426	341	284					
28	817	653	545		681	545	454		545	436	363		511	408	340		454	363	303					
29	866	693	578		722	578	481		578	462	385		542	433	361		481	385	321					
30	916	733	610		763	610	509		610	488	407		572	458	382		509	407	339					
31	964	771	643		803	643	536		643	514	428		603	482	402		536	428	357					
32	1011	809	674		843	674	562		674	539	449		632	506	421		562	449	375					
33	1057	846	705		881	705	587		705	564	470		661	528	440		587	470	391					
34	1101	881	734		917	734	611		734	587	489		688	550	459		611	489	408					
35	1142	914	761		952	761	634		761	609	508		714	571	476		634	508	423					
36	1180	944	787		984	787	656		787	630	525		738	590	492		656	525	437					
37	1216	973	810		1013	810	675		810	648	540		760	608	507		675	540	450					
38	1247	998	831		1039	831	693		831	665	554		779	624	520		693	554	462					
39	1274	1019	850		1062	850	708		850	680	566		796	637	531		708	566	472					

ICI First Cut NPK 12-15-20

Bulk density approx.: 1,06 kg/l

Setting position	Power-take-of R.P.M.: 540 Application Rate in kg/ha														
	Effective width of spread														
	10 m			12 m			15 m			16 m			18 m		
	km/h			km/h			km/h			km/h			km/h		
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
10	121	96	80	100	80	67	80	64	54	75	60	50	67	54	45
11	144	115	96	120	96	80	96	77	64	90	72	60	80	64	53
12	169	135	113	141	113	94	113	90	75	106	84	70	94	75	63
13	197	157	131	164	131	109	131	105	87	123	98	82	109	87	73
14	227	181	151	189	151	126	151	121	101	142	113	95	126	101	84
15	259	207	173	216	173	144	173	138	115	162	130	108	144	115	96
16	294	235	196	245	196	163	196	157	131	184	147	123	163	131	109
17	331	265	221	276	221	184	221	177	147	207	166	138	184	147	123
18	370	296	247	309	247	206	247	198	165	231	185	154	206	165	137
19	412	329	274	343	274	229	274	220	183	257	206	172	229	183	152
20	455	364	303	379	303	253	303	243	202	284	227	190	253	202	168
21	500	400	333	417	333	278	333	267	222	312	250	208	278	222	185
22	547	437	364	455	364	304	364	292	243	342	273	228	304	243	202
23	595	476	396	496	396	330	396	317	264	372	297	248	330	264	220
24	644	515	429	537	429	358	429	343	286	402	322	268	358	286	239
25	694	555	463	579	463	386	463	370	309	434	347	289	386	309	257
26	745	596	497	621	497	414	497	398	331	466	373	311	414	331	276
27	797	638	531	664	531	443	531	425	354	498	398	332	443	354	295
28	849	679	566	707	566	471	566	453	377	530	424	354	471	377	314
29	900	720	600	750	600	500	600	480	400	563	450	375	500	400	333
30	951	761	634	793	634	528	634	507	423	595	476	396	528	423	352
31	1002	801	668	835	668	556	668	534	445	626	501	417	556	445	371
32	1051	841	700	876	700	584	700	560	467	657	525	438	584	467	389
33	1098	878	732	915	732	610	732	586	488	686	549	458	610	488	407
34	1143	915	762	953	762	635	762	610	508	715	572	476	635	508	424
35	1186	949	791	989	791	659	791	633	527	742	593	494	659	527	439
36	1226	981	818	1022	818	681	818	654	545	767	613	511	681	545	454
37	1263	1010	842	1053	842	702	842	674	561	789	632	526	702	561	468
38	1296	1037	864	1080	864	720	864	691	576	810	648	540	720	576	480
39	1324	1059	883	1103	883	736	883	706	588	827	662	552	736	588	490

Kemira SWARDSMAN

NPK 25-5-10

Kemira NPK 23-5-10

Kemira twenty-ten-ten

NPK 20-10-10

Bulk density approx.: 1,00 kg/l

Setting position	Power-take-of R.P.M.: 540 Application Rate in kg/ha														
	Effective width of spread														
	10 m			12 m			15 m			16 m			18 m		
	km/h			km/h			km/h			km/h			km/h		
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
10	108	87	72	90	72	60	72	58	48	68	54	45	60	48	40
11	129	103	86	107	86	72	86	69	57	81	64	54	72	57	48
12	152	121	101	126	101	84	101	81	67	95	76	63	84	67	56
13	177	141	118	147	118	98	118	94	78	110	88	74	98	78	65
14	204	163	136	170	136	113	136	109	91	127	102	85	113	91	75
15	233	186	155	194	155	129	155	124	103	146	116	97	129	103	86
16	264	211	176	220	176	147	176	141	117	165	132	110	147	117	98
17	297	238	198	248	198	165	198	159	132	186	149	124	165	132	110
18	333	266	222	277	222	185	222	177	148	208	166	139	185	148	123
19	370	296	246	308	246	205	246	197	164	231	185	154	205	164	137
20	408	327	272	340	272	227	272	218	182	255	204	170	227	182	151
21	449	359	299	374	299	249	299	239	199	281	224	187	249	199	166
22	491	393	327	409	327	273	327	262	218	307	245	204	273	218	182
23	534	427	356	445	356	297	356	285	237	334	267	222	297	237	198
24	578	463	385	482	385	321	385	308	257	361	289	241	321	257	214
25	623	499	416	519	416	346	416	332	277	390	312	260	346	277	231
26	669	535	446	558	446	372	446	357	297	418	335	279	372	297	248
27	716	572	477	596	477	398	477	382	318	447	358	298	398	318	265
28	762	610	508	635	508	423	508	406	339	476	381	317	423	339	282
29	808	647	539	674	539	449	539	431	359	505	404	337	449	359	299
30	854	683	569	712	569	475	569	456	380	534	427	356	475	380	316
31	899	719	600	749	600	500	600	480	400	562	450	375	500	400	333
32	943	755	629	786	629	524	629	503	419	590	472	393	524	419	349
33	986	789	657	822	657	548	657	526	438	616	493	411	548	438	365
34	1027	821	684	856	684	570	684	548	456	642	513	428	570	456	380
35	1065	852	710	888	710	592	710	568	473	666	533	444	592	473	395
36	1101	881	734	918	734	612	734	587	489	688	551	459	612	489	408
37	1134	907	756	945	756	630	756	605	504	709	567	473	630	504	420
38	1163	931	776	969	776	646	776	620	517	727	582	485	646	517	431
39	1189	951	792	991	792	660	792	634	528	743	594	495	660	528	440

ICI Kaynitro NK 25-0-16

Bulk density approx.: 1,04 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	136	109	91		114	91	76		91	73	61		85	68	57		76	61	50					
11	162	130	108		135	108	90		108	87	72		101	81	68		90	72	60					
12	191	153	127		159	127	106		127	102	85		119	96	80		106	85	71					
13	222	178	148		185	148	124		148	119	99		139	111	93		124	99	82					
14	256	205	171		214	171	142		171	137	114		160	128	107		142	114	95					
15	293	235	195		244	195	163		195	156	130		183	147	122		163	130	109					
16	332	266	222		277	222	185		222	177	148		208	166	139		185	148	123					
17	374	299	250		312	250	208		250	200	166		234	187	156		208	166	139					
18	419	335	279		349	279	233		279	223	186		262	209	174		233	186	155					
19	465	372	310		388	310	259		310	248	207		291	233	194		259	207	172					
20	514	411	343		429	343	286		343	274	229		321	257	214		286	229	190					
21	565	452	377		471	377	314		377	301	251		353	283	235		314	251	209					
22	618	494	412		515	412	343		412	330	275		386	309	257		343	275	229					
23	672	538	448		560	448	373		448	359	299		420	336	280		373	299	249					
24	728	582	485		607	485	404		485	388	324		455	364	303		404	324	270					
25	785	628	523		654	523	436		523	419	349		491	392	327		436	349	291					
26	843	674	562		702	562	468		562	449	375		527	421	351		468	375	312					
27	901	721	601		751	601	500		601	480	400		563	450	375		500	400	334					
28	959	767	640		799	640	533		640	512	426		600	480	400		533	426	355					
29	1018	814	678		848	678	565		678	543	452		636	509	424		565	452	377					
30	1075	860	717		896	717	597		717	574	478		672	538	448		597	478	398					
31	1132	906	755		944	755	629		755	604	503		708	566	472		629	503	419					
32	1188	950	792		990	792	660		792	633	528		742	594	495		660	528	440					
33	1241	993	828		1034	828	690		828	662	552		776	621	517		690	552	460					
34	1293	1034	862		1077	862	718		862	689	575		808	646	539		718	575	479					
35	1341	1073	894		1118	894	745		894	715	596		838	671	559		745	596	497					
36	1387	1109	924		1155	924	770		924	739	616		867	693	578		770	616	514					
37	1428	1142	952		1190	952	793		952	762	635		892	714	595		793	635	529					
38	1465	1172	977		1221	977	814		977	781	651		915	732	610		814	651	543					
39	1497	1197	998		1247	998	831		998	798	665		935	748	624		831	665	554					

Superphosphate 20 % ø 3,30 mm

Bulk density approx.: 1,24 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	145	116	96		120	96	80		96	77	64		90	72	60		80	64	54					
11	172	138	115		143	115	96		115	92	76		108	86	72		96	76	64					
12	202	162	135		169	135	112		135	108	90		127	101	84		112	90	75					
13	236	189	157		196	157	131		157	126	105		147	118	98		131	105	87					
14	272	217	181		227	181	151		181	145	121		170	136	113		151	121	101					
15	311	249	207		259	207	173		207	166	138		194	155	129		173	138	115					
16	352	282	235		294	235	196		235	188	157		220	176	147		196	157	131					
17	397	317	265		331	265	220		265	212	176		248	198	165		220	176	147					
18	444	355	296		370	296	247		296	237	197		277	222	185		247	197	164					
19	493	395	329		411	329	274		329	263	219		308	247	206		274	219	183					
20	545	436	363		454	363	303		363	291	242		341	273	227		303	242	202					
21	599	479	399		499	399	333		399	320	266		374	300	250		333	266	222					
22	655	524	437		546	437	364		437	349	291		409	328	273		364	291	243					
23	713	570	475		594	475	396		475	380	317		445	356	297		396	317	264					
24	772	617	515		643	515	429		515	412	343		482	386	322		429	343	286					
25	832	666	555		693	555	462		555	444	370		520	416	347		462	370	308					
26	893	715	596		744	596	496		596	476	397		558	447	372		496	397	331					
27	955	764	637		796	637	531		637	509	424		597	478	398		531	424	354					
28	1017	814	678		848	678	565		678	542	452		636	509	424		565	452	377					
29	1079	863	719		899	719	599		719	575	479		674	539	450		599	479	400					
30	1140	912	760		950	760	633		760	608	507		713	570	475		633	507	422					
31	1200	960	800		1000	800	667		800	640	533		750	600	500		667	533	445					
32	1259	1007	839		1049	839	700		839	672	560		787	630	525		700	560	466					
33	1316	1053	877		1097	877	731		877	702	585		823	658	548		731	585	487					
34	1370	1096	914		1142	914	761		914	731	609		857	685	571		761	609	508					
35	1422	1138	948		1185	948	790		948	758	632		889	711	592		790	632	527					
36	1470	1176	980		1225	980	817		980	784	653		919	735	612		817	653	544					
37	1514	1211	1009		1261	1009	841		1009	807	673		946	757	631		841	673	561					
38	1553	1242	1035		1294	1035	863		1035	828	690		971	776	647		863	690	575					
39	1587	1269	1058		1322	1058	881		1058	846	705		992	793	661		881	705	588					

Triplephosphate 46 %, ø 3,03 mm

Bulk density approx.: 1,05 kg/l

Setting position	Power-take-of R.P.M.: 540 Application Rate in kg/ha														
	Effective width of spread														
	10 m			12 m			15 m			16 m			18 m		
	km/h			km/h			km/h			km/h			km/h		
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
8	80	64	53	66	53	44	53	43	35	50	40	33	44	35	30
9	98	78	65	82	65	54	65	52	43	61	49	41	54	43	36
10	118	94	79	98	79	66	79	63	52	74	59	49	66	52	44
11	141	112	94	117	94	78	94	75	62	88	70	59	78	62	52
12	165	132	110	138	110	92	110	88	74	103	83	69	92	74	61
13	193	154	128	161	128	107	128	103	86	120	96	80	107	86	71
14	222	178	148	185	148	123	148	118	99	139	111	93	123	99	82
15	254	203	169	212	169	141	169	135	113	159	127	106	141	113	94
16	288	230	192	240	192	160	192	154	128	180	144	120	160	128	107
17	324	259	216	270	216	180	216	173	144	203	162	135	180	144	120
18	363	290	242	302	242	201	242	193	161	227	181	151	201	161	134
19	403	322	269	336	269	224	269	215	179	252	202	168	224	179	149
20	445	356	297	371	297	247	297	238	198	278	223	186	247	198	165
21	490	392	326	408	326	272	326	261	218	306	245	204	272	218	181
22	535	428	357	446	357	297	357	285	238	335	268	223	297	238	198
23	582	466	388	485	388	324	388	311	259	364	291	243	324	259	216
24	631	504	420	526	420	350	420	336	280	394	315	263	350	280	234
25	680	544	453	567	453	378	453	363	302	425	340	283	378	302	252
26	730	584	487	608	487	406	487	389	324	456	365	304	406	324	270
27	780	624	520	650	520	434	520	416	347	488	390	325	434	347	289
28	831	665	554	693	554	462	554	443	369	519	416	346	462	369	308
29	882	705	588	735	588	490	588	470	392	551	441	367	490	392	326
30	932	745	621	776	621	518	621	497	414	582	466	388	518	414	345
31	981	785	654	817	654	545	654	523	436	613	490	409	545	436	363
32	1029	823	686	857	686	572	686	549	457	643	514	429	572	457	381
33	1075	860	717	896	717	597	717	573	478	672	538	448	597	478	398
34	1120	896	747	933	747	622	747	597	498	700	560	467	622	498	415
35	1162	929	775	968	775	645	775	620	516	726	581	484	645	516	430
36	1201	961	801	1001	801	667	801	641	534	751	601	500	667	534	445
37	1237	989	825	1031	825	687	825	660	550	773	618	515	687	550	458

K+S Magnesia-Kainit®

Bulk density approx.: 1,20 kg/l

Setting position	Power-take-of R.P.M.: 540 Application Rate in kg/ha														
	Effective width of spread														
	10 m			12 m			15 m			16 m			18 m		
	km/h			km/h			km/h			km/h			km/h		
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
10	137	110	92	114	92	76	92	73	61	86	69	57	76	61	51
11	164	131	109	136	109	91	109	87	73	102	82	68	91	73	61
12	192	154	128	160	128	107	128	103	86	120	96	80	107	86	71
13	224	179	149	187	149	124	149	119	100	140	112	93	124	100	83
14	258	207	172	215	172	144	172	138	115	161	129	108	144	115	96
15	295	236	197	246	197	164	197	158	131	185	148	123	164	131	109
16	335	268	223	279	223	186	223	179	149	209	167	140	186	149	124
17	377	302	251	314	251	210	251	201	168	236	189	157	210	168	140
18	422	337	281	352	281	234	281	225	187	264	211	176	234	187	156
19	469	375	313	391	313	260	313	250	208	293	234	195	260	208	174
20	518	414	345	432	345	288	345	276	230	324	259	216	288	230	192
21	569	455	380	474	380	316	380	304	253	356	285	237	316	253	211
22	622	498	415	519	415	346	415	332	277	389	311	259	346	277	231
23	677	542	452	564	452	376	452	361	301	423	339	282	376	301	251
24	733	587	489	611	489	407	489	391	326	458	367	306	407	326	272
25	791	633	527	659	527	439	527	422	351	494	395	329	439	351	293
26	849	679	566	707	566	472	566	453	377	531	424	354	472	377	314
27	908	726	605	756	605	504	605	484	403	567	454	378	504	403	336
28	966	773	644	805	644	537	644	515	430	604	483	403	537	430	358
29	1025	820	683	854	683	570	683	547	456	641	513	427	570	456	380
30	1083	867	722	903	722	602	722	578	482	677	542	451	602	482	401
31	1141	913	760	951	760	634	760	608	507	713	570	475	634	507	422
32	1197	957	798	997	798	665	798	638	532	748	598	499	665	532	443
33	1251	1000	834	1042	834	695	834	667	556	782	625	521	695	556	463
34	1302	1042	868	1085	868	724	868	695	579	814	651	543	724	579	482
35	1351	1081	901	1126	901	751	901	721	601	845	676	563	751	601	500
36	1397	1117	931	1164	931	776	931	745	621	873	698	582	776	621	517
37	1438	1151	959	1199	959	799	959	767	639	899	719	599	799	639	533
38	1476	1181	984	1230	984	820	984	787	659	922	738	615	820	656	547
39	1508	1206	1005	1257	1005	838	1005	804	670	942	754	628	838	670	558

K+S ESTA® Kieserite granular **ø 3,32 mm**

Bulk density approx.: 1,26 kg/l

Setting position	Power-take-of R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h			km/h			km/h			km/h			km/h											
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12									
9	145	116	97	121	97	81	97	77	65	91	73	60	81	65	54									
10	175	140	117	146	117	97	117	93	78	110	88	73	97	78	65									
11	209	167	139	174	139	116	139	111	93	130	104	87	116	93	77									
12	246	196	164	205	164	136	164	131	109	153	123	102	136	109	91									
13	286	229	191	238	191	159	191	152	127	179	143	119	159	127	106									
14	330	264	220	275	220	183	220	176	146	206	165	137	183	146	122									
15	377	301	251	314	251	209	251	201	167	236	188	157	209	167	140									
16	427	342	285	356	285	237	285	228	190	267	214	178	237	190	158									
17	481	385	321	401	321	267	321	257	214	301	241	201	267	214	178									
18	538	431	359	449	359	299	359	287	239	336	269	224	299	239	199									
19	598	479	399	499	399	332	399	319	266	374	299	249	332	266	222									
20	661	529	441	551	441	367	441	353	294	413	331	275	367	294	245									
21	726	581	484	605	484	404	484	387	323	454	363	303	404	323	269									
22	794	635	530	662	530	441	530	424	353	496	397	331	441	353	294									
23	864	691	576	720	576	480	576	461	384	540	432	360	480	384	320									
24	936	749	624	780	624	520	624	499	416	585	468	390	520	416	347									
25	1009	807	673	841	673	561	673	538	448	631	504	420	561	448	374									
26	1083	867	722	903	722	602	722	578	481	677	542	451	602	481	401									
27	1158	926	772	965	772	643	772	618	515	724	579	483	643	515	429									
28	1233	987	822	1028	822	685	822	658	548	771	617	514	685	548	457									
29	1308	1046	872	1090	872	727	872	698	581	818	654	545	727	581	484									
30	1382	1106	922	1152	922	768	922	737	614	864	691	576	768	614	512									
31	1455	1164	970	1213	970	809	970	776	647	910	728	606	809	647	539									
32	1527	1221	1018	1272	1018	848	1018	814	679	954	763	636	848	679	565									
33	1596	1277	1064	1330	1064	886	1064	851	709	997	798	665	886	709	591									
34	1662	1329	1108	1385	1108	923	1108	886	739	1039	831	692	923	739	615									
35	1724	1379	1149	1437	1149	958	1149	920	766	1078	862	718	958	766	639									
36	1782	1426	1188	1485	1188	990	1188	951	792	1114	891	743	990	792	660									
37	1835	1468	1224	1529	1224	1020	1224	979	816	1147	918	765	1020	816	680									
38	1883	1506	1255	1569	1255	1046	1255	1004	837	1177	941	785	1046	837	697									

K+S ESTA® Kieserite standard

Bulk density approx.: 1,61 kg/l

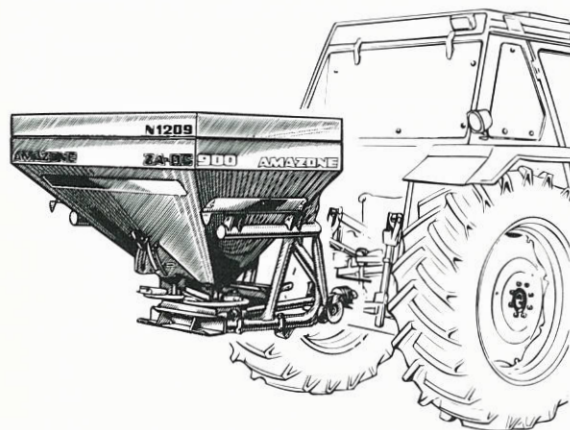
Power-take-of R.P.M.: 540												Application Rate in kg/ha																		
Setting position	Effective width of spread																													
	6 m						8 m																							
	km/h			km/h			km/h			km/h			km/h			km/h			km/h			km/h			km/h					
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12						
4	97	77	64	72	58	48																								
5	133	106	89	100	80	66																								
6	175	140	117	131	105	88																								
7	224	179	149	168	135	112																								
8	280	224	187	210	168	140																								
9	344	275	229	258	206	172																								
10	415	332	277	311	249	208																								
11	494	395	330	371	297	247																								
12	582	465	388	436	349	291																								
13	677	542	451	508	406	339																								
14	781	625	520	586	468	390																								
15	893	714	595	669	536	446																								
16	1012	810	675	759	607	506																								
17	1140	912	760	855	684	570																								
18	1275	1020	850	956	765	637																								
19	1417	1134	945	1063	850	708																								
20	1566	1253	1044	1174	939	783																								
21	1721	1377	1147	1291	1032	860																								
22	1881	1505	1254	1411	1129	941																								
23	2047	1637	1365	1535	1228	1023																								
24	2217	1773	1478	1662	1330	1108																								
25	2390	1912	1593	1792	1434	1195																								
26	2565	2052	1710	1924	1539	1283																								
27	2743	2194	1829	2057	1646	1371																								
28	2921	2337	1947	2191	1753	1460																								
29	3098	2479	2066	2324	1859	1549																								
30	3274	2619	2183	2456	1965	1637																								
31	3447	2758	2298	2585	2068	1724																								
32	3616	2893	2411	2712	2170	1808																								
33	3779	3024	2520	2835	2268	1890																								

Extra Setting Chart

Seeds and Slug Pellets

for

Centrifugal Broadcasters



AMAZONEN-WERKE

H. DREYER GmbH & Co. KG

P.O. Box 51
D-4507 Hasbergen-Gaste
F.R. Germany

Phone (0 54 05) * 501-0
Telefax: (0 54 05) 50 11 93
Telex: 94 48 95 amazo d

Branch factories at D-2872 Hude · F 5702 Forbach
Subsidiaries in Great Britain and France

Factories for: Fertilizer-spreaders. Seed drills · Soil tillage machines. Field sprayers.

Contents

page

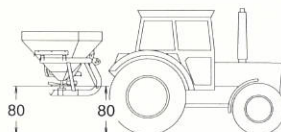
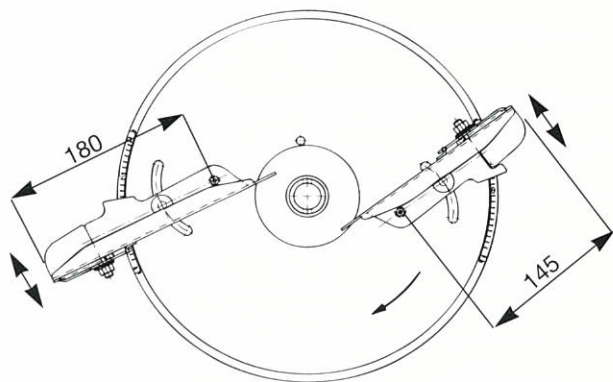
Setting the working widths

Omnia-Set-Streuscheiben OS 10-18	38-39
--	-------

Setting the spread rates for:

Barley (cleaned, undr.)	40
Wheat (undressed)	41
Rye (not dressed)	42
Oats (undressed)	43
Beans	44
Bitter lupines (white)	45
Wintervetches	46
Rape	47
Yellow mustard	48
Oil radish	49
Sweet clover	50
Alfalfa	51
Turnip	52
Kale	53
Phacelia	54
Perennial Rye Grass	55
Slug Pellets Mesurol; Spiess-Urania	56
Slug Pellets Pro-Limax	57

OMNIA-SET



Omnia-Set

GB
11.92

Position of the vanes in dependence of types of seed and of the working width.

Seed	Working width										Spread rates s. page
	5 m	6 m	8 m	9 m	10 m	12 m	15 m	16 m	18 m		
Barley (cleaned, undr.)					9/43	10/43	12/44	12/44	¹⁾ 12/44	40	
Wheat (undressed)					8/41	8/41	11/42	11/42	12/43	41	
Rye (not dressed)					8/41	8/41	10/43	10/43	¹⁾ 11/44	42	
Oats (undressed)					8/41	9/42	12/42	13/44	¹⁾ 11/44	43	
Beans					10/41	10/42	12/44	12/44	12/45	44	
Bitter lupines (white)					8/41	10/42	12/44	12/44	12/45	45	
Wintervetches					8/41	8/41	10/44	10/44	11/45	46	
Rape				8/41	8/41	10/43				47	
Yellow mustard					10/43	11/45				48	
Oil radish					8/41	9/42				49	
Sweet clover	6/42	6/42	6/42	6/42	6/44					50	
Alfalfa	8/44	8/44	8/45	8/45	8/45					51	
Turnip	¹⁾ 9/44	¹⁾ 9/44	¹⁾ 9/44							52	
Kale	10/44	10/44	10/44	10/44						53	
Phacelia					¹⁾ ²⁾ 3/45					54	
Perennial Rye Grass				²⁾ 10/47						55	
Slug Pellets Mesurol Spiess-Urania					¹⁾ 7/42	¹⁾ 7/42	¹⁾ 8/43	¹⁾ 8/43	¹⁾ 8/44	56	
Slug Pellets Pro-Limax					7/42	7/42	6/43	6/43	9/44	57	

¹⁾ All swivel blades with raised ends.

²⁾ Stirrer cone turned upside down.

Barley (cleaned)

Bulk density approx.: 0,64 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
10	72	58	48		60	48	40		48	38	32		45	36	30		40	32	27					
11	88	70	58		73	58	49		59	47	39		55	44	37		49	39	32					
12	102	82	68		85	68	57		68	54	45		64	51	43		57	45	38					
13	124	99	83		103	82	69		83	66	55		77	62	52		69	55	46					
14	144	115	96		120	96	80		96	77	64		90	72	60		80	64	53					
15	174	139	116		145	116	97		116	93	77		109	87	73		97	77	64					
16	201	161	134		168	134	112		134	107	89		126	100	84		112	89	74					
17	228	182	152		190	152	127		152	122	101		143	114	95		127	101	84					
18	263	210	175		219	175	146		175	140	117		164	131	109		146	117	97					
19	296	237	198		247	197	165		198	158	132		185	148	123		165	132	110					
20	330	264	220		275	220	183		220	176	147		206	165	138		183	147	122					
21	374	299	249		311	249	207		249	199	166		233	187	156		208	166	138					
22	416	333	278		347	277	231		278	222	185		260	208	173		231	185	154					
23	458	366	305		381	305	254		305	244	203		286	229	191		254	203	169					
24	500	400	333		417	333	278		333	267	222		313	250	208		278	222	185					
25	540	432	360		450	360	300		360	288	240		338	270	225		300	240	200					

Wheat (undressed)

Bulk density approx.: 0,81 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
6	38	30	25		31	25	21		25	20	17		23	19	16		21	17	14					
7	53	42	35		44	35	29		35	28	23		33	26	22		29	23	19					
8	66	53	44		55	44	37		44	35	29		41	33	28		37	29	24					
9	83	66	55		69	55	46		55	44	37		52	41	34		46	37	31					
10	99	79	66		83	66	55		66	53	44		62	49	41		55	44	37					
11	120	96	80		100	80	67		80	64	53		75	60	50		67	53	44					
12	141	113	94		117	94	78		94	75	63		88	70	59		78	63	52					
13	167	134	111		139	111	93		112	89	74		105	84	70		93	74	62					
14	195	156	130		163	130	108		130	104	87		122	97	81		108	87	72					
15	229	183	153		191	152	127		153	122	102		143	114	95		127	102	85					
16	263	210	175		219	175	146		175	140	117		164	131	109		146	117	97					
17	293	234	195		244	195	163		195	156	130		183	146	122		163	130	108					
18	342	274	228		285	228	190		228	182	152		214	171	142		190	152	127					
19	385	308	256		321	256	214		257	205	171		240	192	160		214	171	142					
20	432	346	288		360	288	240		288	230	192		270	216	180		240	192	160					
21	480	384	320		400	320	267		320	256	213		300	240	200		267	213	178					
22	533	426	355		444	355	296		355	284	237		333	266	222		296	237	197					
23	583	466	388		486	388	324		388	311	259		364	291	243		324	259	216					
24	634	507	423		528	422	352		423	338	282		396	317	264		352	282	235					
25	684	547	456		570	456	380		456	365	304		428	342	285		380	304	253					

Rye (not dressed)

Bulk density approx.: 0,74 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12						
9	68	54	45	56	45	38	45	36	30	42	34	28	38	30	25									
10	84	67	56	70	56	47	56	45	37	53	42	35	47	37	31									
11	101	80	67	84	67	56	67	54	45	63	50	42	56	45	37									
12	120	96	80	100	80	67	80	64	53	75	60	50	67	53	44									
13	143	114	95	119	95	79	95	76	63	89	71	59	79	63	53									
14	168	134	112	140	112	93	112	90	75	105	84	70	93	75	62									
15	198	158	132	165	132	110	132	106	88	124	99	82	110	88	73									
16	225	180	150	188	150	125	150	120	100	141	112	94	125	100	83									
17	258	206	172	215	172	143	172	138	115	161	129	108	143	115	96									
18	293	234	195	244	195	163	195	156	130	183	146	122	163	130	108									
19	329	263	219	274	219	182	219	175	146	205	164	137	183	146	122									
20	366	293	244	305	244	203	244	195	163	229	183	152	203	163	136									
21	405	324	270	338	270	225	270	216	180	253	202	169	225	180	150									
22	443	354	295	369	295	246	295	236	197	277	221	184	246	197	164									
23	484	387	323	403	322	269	323	258	215	302	242	202	269	215	179									
24	524	419	349	436	349	291	349	279	233	327	262	218	291	233	194									
25	564	451	376	470	376	313	376	301	251	352	282	235	313	251	209									

Oats (undressed)

Bulk density approx.: 0,48 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
12	63	50	42		52	42	35		42	34	28		39	31	26		35	28	23					
13	79	63	53		66	52	44		53	42	35		49	39	33		44	35	29					
14	93	74	62		78	62	52		62	50	41		58	46	39		52	41	34					
15	113	90	75		94	75	63		75	60	50		70	56	47		63	50	42					
16	129	103	86		108	86	72		86	69	57		81	65	54		72	57	48					
17	147	118	98		123	98	82		98	78	65		92	73	61		82	65	54					
18	168	134	112		140	112	93		112	90	75		105	84	70		93	75	62					
19	191	152	127		159	127	106		127	102	85		119	95	79		106	85	71					
20	216	173	144		180	144	120		144	115	96		135	108	90		120	96	80					
21	242	194	161		202	161	135		162	129	108		151	121	101		135	108	90					
22	269	215	179		224	179	149		179	143	119		168	134	112		149	119	99					
23	295	236	196		246	196	164		197	157	131		184	147	123		164	131	109					
24	323	258	215		269	215	179		215	172	143		202	161	134		179	143	119					
25	348	278	232		290	232	193		232	186	155		218	174	145		193	155	129					
26	377	302	251		314	251	210		252	201	168		236	189	157		210	168	140					
27	409	327	273		341	272	227		273	218	182		255	204	170		227	182	151					
28	439	351	293		366	292	244		293	234	195		274	219	183		244	195	163					
29	469	375	313		391	312	260		313	250	208		293	234	195		260	208	174					

Beans

Bulk density approx.: 0,81 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12		8	10	12	
9	45	36	30		38	30	25		30	24	20		28	22	19		25	20	17					
10	57	46	38		48	38	32		38	30	25		36	28	24		32	25	21					
11	66	53	44		55	44	37		44	35	29		41	33	28		37	29	24					
12	80	64	53		66	53	44		53	42	35		50	40	33		44	35	29					
13	92	74	62		77	61	51		62	49	41		58	46	38		51	41	34					
14	108	86	72		90	72	60		72	58	48		68	54	45		60	48	40					
15	128	102	85		106	85	71		85	68	57		80	64	53		71	57	47					
16	150	120	100		125	100	83		100	80	67		94	75	63		83	67	56					
17	174	139	116		145	116	97		116	93	77		109	87	73		97	77	64					
18	195	156	130		163	130	108		130	104	87		122	97	81		108	87	72					
19	218	174	145		181	145	121		145	116	97		136	109	91		121	97	81					
20	240	192	160		200	160	133		160	128	107		150	120	100		133	107	89					
21	270	216	180		225	180	150		180	144	120		169	135	113		150	120	100					
22	300	240	200		250	200	167		200	160	133		188	150	125		167	133	111					
23	330	264	220		275	220	183		220	176	147		206	165	138		183	147	122					
24	360	288	240		300	240	200		240	192	160		225	180	150		200	160	133					
25	396	317	264		330	264	220		264	211	176		248	198	165		220	176	147					

Bitter lupines (white)

Bulk density approx.: 0,73 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m				15 m				16 m				18 m							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12		8	10	12	
9	53	42	35		44	35	29		35	28	23		33	26	22		29	23	19					
10	64	51	43		53	42	35		43	34	28		40	32	27		35	28	24					
11	75	60	50		63	50	42		50	40	33		47	37	31		42	33	28					
12	90	72	60		75	60	50		60	48	40		56	45	38		50	40	33					
13	105	84	70		88	70	58		70	56	47		66	52	44		58	47	39					
14	122	97	81		101	81	68		81	65	54		76	61	51		68	54	45					
15	143	114	95		119	95	79		95	76	63		89	71	59		79	63	53					
16	165	132	110		138	110	92		110	88	73		103	82	69		92	73	61					
17	186	149	124		155	124	103		124	99	83		116	93	77		103	83	69					
18	210	168	140		175	140	117		140	112	93		131	105	88		117	93	78					
19	238	190	159		198	158	132		159	127	106		149	119	99		132	106	88					
20	264	211	176		220	176	147		176	141	117		165	132	110		147	117	98					
21	294	235	196		245	196	163		196	157	131		184	147	123		163	131	109					
22	325	260	216		271	216	180		217	173	144		203	162	135		180	144	120					
23	356	285	238		297	237	198		238	190	158		223	178	148		198	158	132					
24	388	310	259		323	258	215		259	207	172		242	194	162		215	172	144					
25	420	336	280		350	280	233		280	224	187		263	210	175		233	187	156					

Wintervetches

Bulk density approx.: 0,83 kg/l

[illegible]

Rape

Bulk density approx.: 0,65 kg/l

[illegible]

Yellow mustard

Bulk density approx.: 0,76 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m				12 m																			
	km/h				km/h				km/h				km/h				km/h							
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12						
2	6.0	4.8	4.0	5.0	4.0	3.3																		
2.5	10.5	8.4	7.0	8.8	7.0	5.8																		
3	15.0	12.0	10.0	12.5	10.0	8.3																		
3.5	19.5	15.6	13.0	16.3	13.0	10.8																		
4	24.0	19.2	16.0	20.0	16.0	13.3																		
4.5	30.8	24.6	20.5	25.6	20.5	17.1																		
5	37.5	30.0	25.0	31.3	25.0	20.8																		
5.5	44.3	35.4	29.5	36.9	29.5	24.6																		
6	51.0	40.8	34.0	42.5	34.0	28.3																		
6.5	58.5	46.8	39.0	48.8	39.0	32.5																		
7	66.0	52.8	44.0	55.0	44.0	36.7																		
7.5	72.8	58.2	48.5	60.6	48.5	40.4																		
8	79.5	63.6	53.0	66.3	53.0	44.2																		
8.5	89.3	71.4	59.5	74.4	59.5	49.6																		
9	99.0	79.2	66.0	82.5	66.0	55.0																		
9.5	109.5	87.6	73.0	91.3	73.0	60.8																		
10	120.0	96.0	80.0	100.0	80.0	66.7																		
10.5	130.5	104.4	87.0	108.8	87.0	72.5																		
11	141.0	112.8	94.0	117.5	94.0	78.3																		

Oil radish

Bulk density approx.: 0,71 kg/l

Schieberstellung	Power-take-off R.P.M.: 540												Application Rate in kg/ha											
	Effective width of spread																							
	10 m			12 m																				
	km/h			km/h			km/h			km/h			km/h											
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12									
3	11.3	9.0	7.5	9.4	7.5	6.3																		
3.5	14.6	11.7	9.8	12.2	9.7	8.1																		
4	18.0	14.4	12.0	15.0	12.0	10.0																		
4.5	24.0	19.2	16.0	20.0	16.0	13.3																		
5	30.0	24.0	20.0	25.0	20.0	16.7																		
5.5	34.5	27.6	23.0	28.8	23.0	19.2																		
6	39.0	31.2	26.0	32.5	26.0	21.7																		
6.5	45.8	36.6	30.5	38.1	30.5	25.4																		
7	52.5	42.0	35.0	43.8	35.0	29.2																		
7.5	59.3	47.4	39.5	49.4	39.5	32.9																		
8	66.0	52.8	44.0	55.0	44.0	36.7																		
8.5	74.3	59.4	49.5	61.9	49.5	41.3																		
9	82.5	66.0	55.0	68.8	55.0	45.8																		
9.5	90.0	72.0	60.0	75.0	60.0	50.0																		
10	97.5	78.0	65.0	81.3	65.0	54.2																		
10.5	105.8	84.6	70.5	88.1	70.5	58.7																		
11	114.0	91.2	76.0	95.0	76.0	63.3																		
11.5	126.4	101.1	84.2	105.3	84.2	70.2																		
12	138.8	111.0	92.5	115.6	92.5	77.1																		
12.5	150.8	120.6	100.5	125.6	100.5	83.8																		
13	162.8	130.2	108.5	135.6	108.5	90.4																		
13.5	174.0	139.2	116.0	145.0	116.0	96.7																		
14	185.3	148.2	123.5	154.4	123.5	102.9																		
14.5	196.9	157.5	131.3	164.1	131.2	109.4																		
15	208.5	166.8	139.0	173.8	139.0	115.8																		

Sweet clover

Bulk density approx.: 0,84 kg/l

Schieberstellung	Power-take-off R.P.M.: 540 Application Rate in kg/ha														
	Effective width of spread														
	5 m			6 m			8 m			9 m			10 m		
	km/h			km/h			km/h			km/h			km/h		
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
1	7.5	6.0	5.0	6.3	5.0	4.2	4.7	3.7	3.1	4.2	3.3	2.8	3.8	3.0	2.5
1.5	11.3	9.0	7.5	9.4	7.5	6.3	7.0	5.6	4.7	6.3	5.0	4.2	5.6	4.5	3.8
2	15.0	12.0	10.0	12.5	10.0	8.3	9.4	7.5	6.3	8.3	6.7	5.6	7.5	6.0	5.0
2.5	26.3	21.0	17.5	21.9	17.5	14.6	16.4	13.1	10.9	14.6	11.7	9.7	13.1	10.5	8.8
3	37.5	30.0	25.0	31.3	25.0	20.8	23.4	18.7	15.6	20.8	16.7	13.9	18.8	15.0	12.5
3.5	48.8	39.0	32.5	40.6	32.5	27.1	30.5	24.4	20.3	27.1	21.7	18.1	24.4	19.5	16.3
4	60.0	48.0	40.0	50.0	40.0	33.3	37.5	30.0	25.0	33.3	26.7	22.2	30.0	24.0	20.0
4.5	75.0	60.0	50.0	62.5	50.0	41.7	46.9	37.5	31.3	41.7	33.3	27.8	37.5	30.0	25.0
5	90.0	72.0	60.0	75.0	60.0	50.0	56.3	45.0	37.5	50.0	40.0	33.3	45.0	36.0	30.0
5.5	105.0	84.0	70.0	87.5	70.0	58.3	65.6	52.5	43.8	58.3	46.7	38.9	52.5	42.0	35.0
6	120.0	96.0	80.0	100.0	80.0	66.7	75.0	60.0	50.0	66.7	53.3	44.4	60.0	48.0	40.0
6.5	138.8	111.0	92.5	115.6	92.5	77.1	86.7	69.4	57.8	77.1	61.7	51.4	69.4	55.5	46.3
7	157.5	126.0	105.0	131.3	105.0	87.5	98.4	78.7	65.6	87.5	70.0	58.3	78.8	63.0	52.5
7.5	177.8	142.2	118.5	148.1	118.5	98.7	111.1	88.9	74.1	98.8	79.0	65.8	88.9	71.1	59.2
8	198.0	158.4	132.0	165.0	132.0	110.0	123.8	99.0	82.5	110.0	88.0	73.3	99.0	79.2	66.0
8.5	222.8	178.2	148.5	185.6	148.5	123.7	139.2	111.4	92.8	123.8	99.0	82.5	111.4	89.1	74.2
9	247.5	198.0	165.0	206.3	165.0	137.5	154.7	123.7	103.1	137.5	110.0	91.7	123.8	99.0	82.5
9.5	271.5	217.2	181.0	226.3	181.0	150.8	169.7	135.7	113.1	150.8	120.7	100.6	135.8	108.6	90.5
10	295.5	236.4	197.0	246.3	197.0	164.2	184.7	147.8	123.1	164.2	131.3	109.4	147.8	118.2	98.5
10.5	321.8	257.4	214.5	268.1	214.5	178.8	201.1	160.9	134.1	178.8	143.0	119.2	160.9	128.7	107.3
11	348.0	278.4	232.0	290.0	232.0	193.3	217.5	174.0	145.0	193.3	154.7	128.9	174.0	139.2	116.0

Alfalfa

Bulk density approx.: 0,85 kg/l

Schieberstellung	Power-take-off R.P.M.: 540 Application Rate in kg/ha														
	Effective width of spread														
	5 m			6 m			8 m			9 m			10 m		
	km/h			km/h			km/h			km/h			km/h		
	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
3	34.5	27.6	23.0	28.8	23.0	19.2	21.6	17.2	14.4	19.2	15.3	12.8	17.3	13.8	11.5
3.5	44.3	35.4	29.5	36.9	29.5	24.6	27.7	22.1	18.4	24.6	19.7	16.4	22.1	17.7	14.7
4	54.0	43.2	36.0	45.0	36.0	30.0	33.8	27.0	22.5	30.0	24.0	20.0	27.0	21.6	18.0
4.5	68.3	54.6	45.5	56.9	45.5	37.9	42.7	34.1	28.4	37.9	30.3	25.3	34.1	27.3	22.7
5	82.5	66.0	55.0	68.8	55.0	45.8	51.6	41.2	34.4	45.8	36.7	30.6	41.3	33.0	27.5
5.5	96.8	77.4	64.5	80.6	64.5	53.8	60.5	48.4	40.3	53.8	43.0	35.8	48.4	38.7	32.3
6	111.0	88.8	74.0	92.5	74.0	61.7	69.4	55.5	46.3	61.7	49.3	41.1	55.5	44.4	37.0
6.5	126.0	100.8	84.0	105.0	84.0	70.0	78.8	63.0	52.5	70.0	56.0	46.7	63.0	50.4	42.0
7	141.0	112.8	94.0	117.5	94.0	78.3	88.1	70.5	58.7	78.3	62.7	52.2	70.5	56.4	47.0
7.5	157.5	126.0	105.0	131.3	105.0	87.5	98.4	78.7	65.6	87.5	70.0	58.3	78.8	63.0	52.5
8	174.0	139.2	116.0	145.0	116.0	96.7	108.8	87.0	72.5	96.7	77.3	64.4	87.0	69.6	58.0
8.5	195.0	156.0	130.0	162.5	130.0	108.3	121.9	97.5	81.3	108.3	86.7	72.2	97.5	78.0	65.0
9	216.0	172.8	144.0	180.0	144.0	120.0	135.0	108.0	90.0	120.0	96.0	80.0	108.0	86.4	72.0
9.5	239.3	191.4	159.5	199.4	159.5	132.9	149.5	119.6	99.7	132.9	106.3	88.6	119.6	95.7	79.7
10	262.5	210.0	175.0	218.8	175.0	145.8	164.1	131.2	109.4	145.8	116.7	97.2	131.3	105.0	87.5

Turnip

Bulk density approx.: 0,69 kg/l

[illegible]

Kale

Bulk density approx.: 0,68 kg/l

Power-take-off R.P.M.: 540													Application Rate in kg/ha												
Schlepperstellung	Effective width of spread																								
	5 m				6 m				8 m				9 m												
	km/h				km/h				km/h				km/h				km/h								
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12						
2	12.0	9.6	8.0		10.0	8.0	6.7		7.5	6.0	5.0		6.7	5.3	4.4										
2.5	21.0	16.8	14.0		17.5	14.0	11.7		13.1	10.5	8.8		11.7	9.3	7.8										
3	30.0	24.0	20.0		25.0	20.0	16.7		18.8	15.0	12.5		16.7	13.3	11.1										
3.5	39.0	31.2	26.0		32.5	26.0	21.7		24.4	19.5	16.3		21.7	17.3	14.4										
4	48.0	38.4	32.0		40.0	32.0	26.7		30.0	24.0	20.0		26.7	21.3	17.8										
4.5	60.0	48.0	40.0		50.0	40.0	33.3		37.5	30.0	25.0		33.3	26.7	22.2										
5	72.0	57.6	48.0		60.0	48.0	40.0		45.0	36.0	30.0		40.0	32.0	26.7										
5.5	84.0	67.2	56.0		70.0	56.0	46.7		52.5	42.0	35.0		46.7	37.3	31.1										
6	96.0	76.8	64.0		80.0	64.0	53.3		60.0	48.0	40.0		53.3	42.7	35.6										
6.5	110.3	88.2	73.5		91.9	73.5	61.3		68.9	55.1	45.9		61.3	49.0	40.8										
7	124.5	99.6	83.0		103.8	83.0	69.2		77.8	62.2	51.9		69.2	55.3	46.1										
7.5	141.0	112.8	94.0		117.5	94.0	78.3		88.1	70.5	58.8		78.3	62.7	52.2										
8	157.5	126.0	105.0		131.3	105.0	87.5		98.4	78.7	65.6		87.5	70.0	58.3										
8.5	176.3	141.0	117.5		146.9	117.5	97.9		110.2	88.1	73.4		97.9	78.3	65.3										
9	195.0	156.0	130.0		162.5	130.0	108.3		121.9	97.5	81.3		108.3	86.7	72.2										
9.5	215.3	172.2	143.5		179.4	143.5	119.6		134.5	107.6	89.7		119.6	95.7	79.7										
10	235.5	188.4	157.0		196.3	157.0	130.8		147.2	117.7	98.1		130.8	104.7	87.2										
10.5	255.8	204.6	170.5		213.1	170.5	142.1		159.8	127.9	106.6		142.1	113.7	94.7										
11	276.0	220.8	184.0		230.0	184.0	153.3		172.5	138.0	115.0		153.3	122.7	102.2										

Phacelia

Bulk density approx.: 0,59 kg/l

Power-take-off R.P.M.: 540												Application Rate in kg/ha												
Schieberstellung	Effective width of spread																							
	10 m																							
	km/h				km/h				km/h				km/h				km/h							
	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12					
2	3.0	2.4	2.0																					
3	9.8	7.8	6.5																					
4	16.5	13.2	11.0																					
5	26.3	21.0	17.5																					
6	36.0	28.8	24.0																					
7	47.3	37.8	31.5																					
8	58.5	46.8	39.0																					
9	73.5	58.8	49.0																					
10	88.5	70.8	59.0																					
11	105.0	84.0	70.0																					
12	121.5	97.2	81.0																					
13	139.5	111.6	93.0																					
14	157.5	126.0	105.0																					
15	174.0	139.2	116.0																					

Perennial Rye Grass

Bulk density approx.: 0,39 kg/l

[illegible]

Slug Pellets
Mesuroi;
Spiess-Urania

Bulk density approx.: 0,75 kg/l

[illegible]

Slug Pellets Pro-Limax

Bulk density approx.: 0,83 kg/l

[illegible]