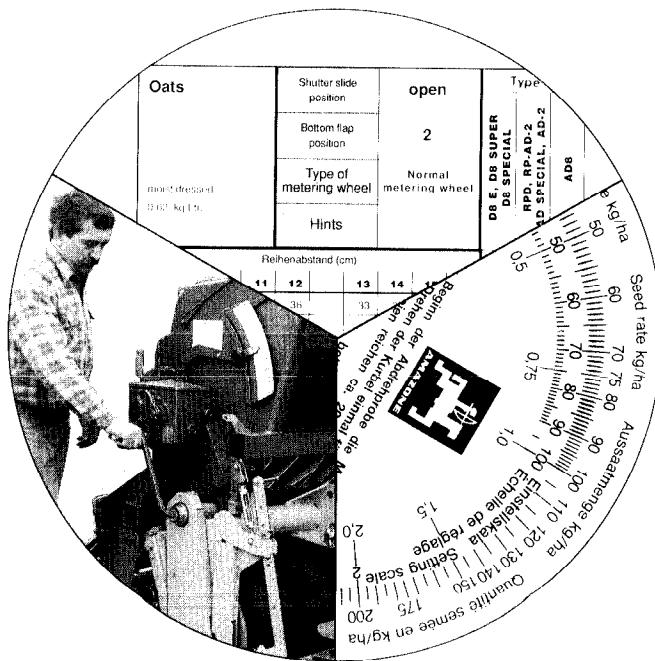


Setting Chart

for **AMAZONE** - Seed Drills



AMAZONEN-WERKE



Setting Chart

for

AMAZONE-Seed Drills D8-E

with two-range gearbox
from serial No. 116000

AMAZONE-Seed Drills D8 SUPER

with two-range gearbox
from serial No. 128650
D8-40 SUPER from serial No. 121120

AMAZONE-Seed Drills D8 SPECIAL

with two-range gearbox
from serial No. 128650

AMAZONE Tyre Packer Seed Drills RPD

with two-range gearbox
from serial No. 954

AMAZONE-Seed Drills AD 8

with two-range gearbox
from serial No. 954

AMAZONE-Seed Drills AD Special

AMAZONE-Pack Top Seed Drills AD-2

AMAZONE-Tyre Packer Pack Top Seed Drills RP-AD 2

with the aid of the seed rate setting chart and disc rule it is possible to find for any seed and desired seed rate the correct position of the gearbox setting lever.

The seed rates shown in the setting table (kg/ha) can only serve as reference values. Therefore conduct calibration trials to accurately determine seed rates.

1. Important advice which you should consider before every calibration test!

In your seed drill instruction manual there are detailed instructions regarding the procedure of the calibration test. Additionally we would like to inform you about the changes in the flowing properties of seeds and the effects on the calibration test.

Therefore please consider the following advice:

Seeds for sowing are available with various surface treatments, which could be:

- untreated seeds
- seeds treated with powdered (dry) dressings
- seeds treated with moist (liquid) dressings

All the above mentioned differently treated seeds will have different flowing properties. Additionally these flowing properties are changed by the reaction of the dressing to ambient conditions such as temperature or humidity of the air.

Points to note:

Point 1: Whenever getting a new shipment of seed **always conduct a calibration test.**

Point 2: In every case the **seedbox should be half filled** with seed.

Point 3: Before starting a calibration test the metering wheels and metering wheel housings should be filled with seed which can be achieved by turning the calibration crank until **the calibration trays are full**. Thereafter they should be emptied into the seed box again. The reason is that mechanical influences, especially the work of the agitator shaft, can also influence the flowing properties. With fine seeds the calibration trays need not be completely filled; here about 200 crank turns are sufficient.

At moist dressed seed a balance situation will then have been achieved and the seed rate does not change during the sowing operation.

With dry dressed seeds the balance situation, however, can be fulfilled very often after only having sown two to three seed box fillings.

Point 4: **With dry dressed seeds the calibration test should be repeated** after two to three seed box fillings.

Point 5: On the **first operation** of the seed drill the calibration test should be repeated after approx. 1 ha sown, as with new machines the surfaces of the metering components are changed by residue of seed dressings which then again will have an affect on the flowing properties of the seed or of the seed rate.

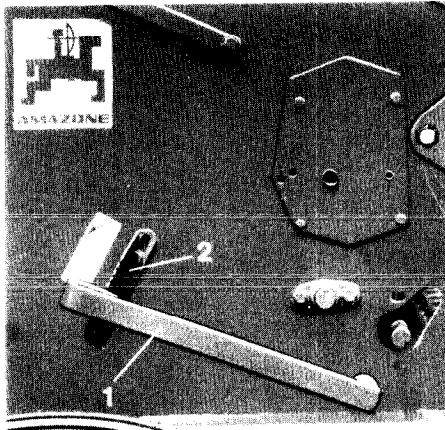


Fig. 1

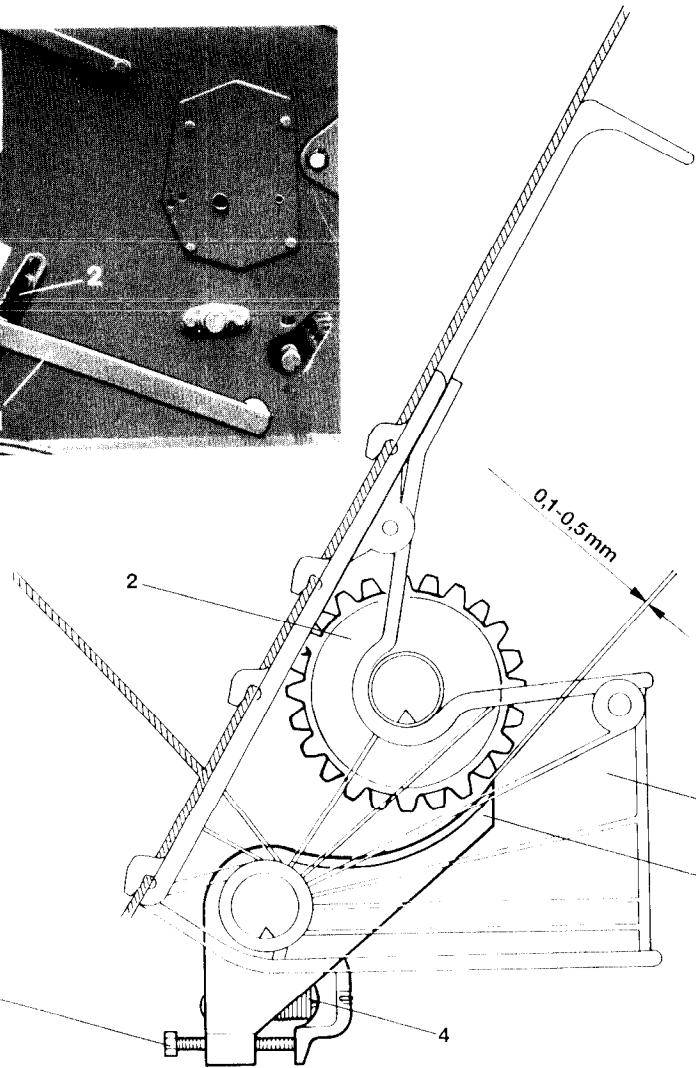


Fig. 2

Point 6: If the bottom flaps are mis-adjusted this can result in uncontrolled metering of additional seed during the sowing operation. The **basic adjustment of the bottom flaps** therefore **should be checked** every half a year or before every sowing season. It should be checked on an empty seed box and empty metering wheel housings as follows:

- Bring bottom flap stetting lever (Fig. 1/1) at the resting plate (Fig. 1/2) into position "1".
- Check, whether the prescribed gab of 0.1 mm to 0.5 mm (see Fig. 2) between bottom flap (Fig. 2/3) and metering wheel (fig. 2/2) in every metering wheel housing (Fig. 2/1) is maintained. To do this the metering wheel to be checked should be turned by hand on the metering shaft.
- If found necessary reset the prescribed gap at the spring tensioning screw (Fig. 2/5).

Advice regarding the seed rate setting charts:

The setting position of the bottom flap lever depends on the seed and may be taken from the setting charts. At some seeds two figures are stated. The first figure then refers to seeds with 1000 grain weight (TGW) of above 40 g, the second figure is related to a TGW of below 40 g.

Summary of the advice which should be noted before the calibration test:

- Point 1: Always conduct a calibration test prior to sowing.
- Point 2: For the calibration test fill seed box at least up to one half with seed.
- Point 3: Before beginning the calibration test fill the calibration trays with seed by turning the crank.
- Point 4: Repeat calibration test at dry dressed seeds after every two to three seed box fillings.
- Point 5: When conducting the first operation repeat calibration test after approx. 1 ha.
- Point 6: Check regularly the basic setting of the bottom flaps.

2. Setting of the seed rate

Short explanation with an example:

Wanted is:

- Type of seed

Seed rate: 125 kg/ha

Row spacing: 11.9 cm, with AMAZONE Seed Drill D8 SUPER

Proceed with the following settings on your seed drill:

- Shutter slide position

- Bottom flap position

- Normal- or fine seed metering wheel

Hints: e.g. stop agitator shaft

Use setting chart to determine the gearbox setting No. for the first calibration test:

- Given row spacing

- Given seed rate (kg/ha)

- Type of seed drill

- Gearbox setting No. for first calibration test

Seed		Shutter slide-position		open		Type of seed drill				
		Bottom flap position		2		D8 E, D8 SUPER D8 SPECIAL				
		Type of metering wheel		Normal metering wheel		RPD, RP-AD-2 AD SPECIAL, AD-2				
		Hints				AD8				
Row spacing (cm)						Gearbox setting No.				
8	10		11	12	13	14	15			
54	43		39	36	33	31	29	20	23	32
81	65		59	54	50	46	43	30	34	49
108	86		79	72	66	62	58	40	45	65
135	108		98	90	83	77	72	50	56	81
162	130		118	108	100	92	86	60	68	97
189	151		137	126	116	108	101	70	79	

After setting the seed rate note hints on page 1.

Conduct first calibration test and use disc rule to your hand (see next page).

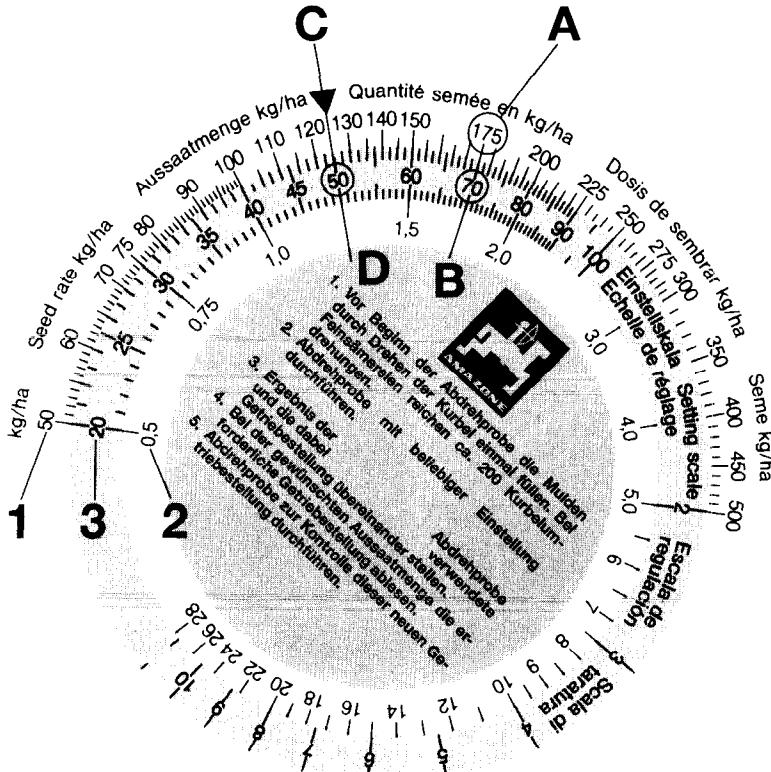


Fig. 3

1. Before beginning the calibration test fill trays by cranking. For fine seeds abt. 200 crank turns suffice.
2. Conduct calibration test with a setting of your choice.
3. Turn the disc until the weight figure determined by the calibration test is opposite to the gearbox setting figure used.
4. Now look for the desired seed rate figure. Opposite this you will find the corresponding gearbox setting figure.
5. To confirm this new gearbox setting a new calibration test is recommended.
1. Antes de comenzar con el ensayo, llenar una vez las bandejas mediante giro de manivela. Para semillas finas bastan aprox. 200 vueltas de manivela.
2. Realizar la prueba en vacío con cualquier número de posición de la transmisión.
3. Establecer la relación mediante el disco de cálculo, entre el peso recogido en la prueba y el número de posición de la transmisión.
4. Leer en el disco de cálculo, bajo la dosis deseada de siembra, el número de posición que la corresponde.
5. Realizar de nuevo la prueba con este nuevo numero a fin de comprobar la exactitud de la dosis.

1. Avant d'étailler, remplir 1 fois les augets à la manivelle (en graines fines, faire environ 200 tours).
2. Réaliser un étalonnage en choisissant un réglage arbitraire sur l'échelle de réglage du semoir.
3. Sur la régllette, faire correspondre la quantité obtenue en kg/ha avec le réglage initialement choisi.
4. Lire alors sur la régllette, le réglage à utiliser pour la quantité/ha souhaitée.
5. Réaliser un ultime étalonnage pour confirmer le réglage à utiliser. Utilisation uniquement sur semoirs avec boîtier à double démultiplication.
1. Prima d'effettuare la prova, riempire una volta le conche girando a manovella. Nel caso di semi fini sono sufficiente circa 200 giri di manovella.
2. Effettuare la prova di taratura con valori a scelta.
3. Ruotare il disco facendo coincidere il peso determinato dalla prova di taratura con il valore di regolazione della scatola del cambio utilizzato per la prova stessa.
4. In corrispondenza al quantitativo di seme che si desidera distribuire.
Viene indicato il valore da utilizzare per la regolazione della scatola del cambio.
5. Cereare la convalida di questa nuova regolazione ripetendo la prova di taratura.

1. For indsæningens påbegyndes skal indsæningsbakkerne fyldes en gang med såsæd ved drejning på håndsvinget. Ved fin kornede frøsorter er det tilstrækkeligt at dreje ca. 200 omdrejninger på håndsvinget.
2. Gennemføre indsæningsprøven med vilkårlig indstilling.
3. Resultat af indsæningsprøven og den derved anvendte gearkassestilling sættes over for hinanden.
4. Den krævede gearkassestilling læses ud for den ønskede udсадsmængde.
5. Indsæningsprøve til kontrol af den nye gearkassestilling gennemføres.

3. Determination of the gearbox scale setting No. with the aid of the seed rate calculation disc rule (Fig. 3)

If the first calibration test does not bring the desired seed rate, the new gearbox scale lever setting for the correct seed rate can simply be determined by the enclosed seed rate calculation disc rules (Fig. 3). This disc rule consists of 3 scales: One outer white scale (Fig. 3/1) for all seed rates above 30 kg/ha and an inner white scale (Fig. 3/2) for all seed rates below 30 kg/ha. On the middle coloured scale (Fig. 3/3) the gearbox lever scale setting No.'s from 1 to 100 are indicated:

How to use the disc rule (example):

Desired seed rate: 125 kg/ha

- From the first calibration test conducted at a gearbox lever setting of "70" (any other gear box lever setting may also be chosen) a seed rate of 175 kg/ha was obtained.
- Now turn the inner disc until the obtained seed rate of "175 kg/ha" (Fig. 3/A) is in line with the related actual gearbox lever setting No. of "70" (Fig. 3/B).
- Now read off the disc rule the necessary gear box lever setting No. for the required seed rate of 125 kg/ha (Fig. 3/C). In our example the correct setting No. is "50" (Fig. 3/D).
- To be on the safe side you may check the new gear box lever setting No. by another calibration test.

4. Calibration test

The number of necessary wheel turns is related to an area of $1/40$ ha (250 m 2) or $1/10$ ha (1000 m 2) and depends on the tyre size and the working width.

In the following table the number of wheel turns corresponding to the different tyre sizes is mentioned:

AMAZONE-seed drills D8 E		from Serial No. 116000					
		D8 SUPER from Serial No. 128650 (D8-40 from 121120)					
		D8 SPECIAL from Serial No. 128650					
Tyres	5.00-16		6.00-16		10.0/75-15 31 x 15.50-15		11.5/80-15
wheel turns							
working width	1/40 ha	1/10 ha	1/40 ha	1/10 ha	1/40 ha	1/10 ha	1/40 ha
2.00 m	59.0	236.5	-	-	-	-	-
2.50 m	47.2	189.2	44.0	176.4	-	-	-
3.00 m	39.3	157.7	36.7	147.0	34.0	136.3	-
4.00 m	-	-	-	-	25.5	102.3	-
4.80 m	-	-	-	-	-	-	19.8
6.00 m	-	-	-	-	17.0	68.2	15.8
Conversion factor	118	473	110	441	102	409	95
AMAZONE Pack Top seed drill AD-2							
Working width	Crank turns at star wheel 1.02 m O			Crank turns at star wheel 1.18 m O			
2.50 m	31.0		125.0		26.5		105.5
3.00 m	26.0		104.0		22.0		88.0
4.00 m	19.5		78.0		16.5		66.0
4.50 m	17.5		69.5		14.5		58.5
on	1/40 ha		1/10 ha		1/40 ha		1/10 ha
Conversion factor	78		312		66		264

AMAZONE Tyre Packer Pack Top seed drills RP-AD-2	
	crank turns at the intermediate drive
working width	1/40 ha 1/10 ha
2.50 m	58.0 230.0
3.00 m	48.0 192.0
4.00 m	36.0 144.0
4.50 m	32.0 128.0
6.00 m	24.0 96.0
Conversion factor	144 576

AMAZONE Pack Top seed drills AD SPECIAL		
	crank turns at the intermediate drive	
working width	1/40 ha	1/10 ha
2.50 m	56.0	225.0
3.00 m	47.0	187.0
4.00 m	35.0	140.0
Conversion factor	140	562

AMAZONE Pack Top seed drills AD 8 with two-range gearbox		
from serial No. 954	crank turns at the intermediate drive	
working width	1/40 ha	1/10 ha
2.50 m	47.0	187.0
3.00 m	39.0	156.0
4.00 m	29.0	117.0
Conversion factor	117	468

AMAZONE Tyre packer seed drills RPD with 2-range gearbox		
from serial No. 954	crank turns at the intermediate drive	
working width	1/40 ha	1/10 ha
2.50 m	62.0	249.5
3.00 m	52.0	208.0
4.00 m	39.0	156.0
6.00 m	26.0	104.0
Conversion factor	156	624

5. Calculating the number of wheel/crank turns for other working widths

For other working widths the number of wheel/crank turns can be calculated when using the mentioned tyre sizes as follows:

Take the conversion factor of the above table.

Number of hand crank turns on 1/40 ha (250 sqm) = $\frac{\text{conversion factor}}{(\text{working width (m)})}$
Number of hand crank turns on 1/10 ha (1000 sqm) = $\frac{\text{conversion factor}}{(\text{working width (m)})}$

When calculating the wheel/crank turns a mean wheel slip of 5 % is considered.

6. Calculating the seed rate in kg/ha

The collected seed quantity is weighed and multiplied by the factor "40" (at 1/40 ha) or factor "10" (at 1/10 ha). The calculated seed rate is equivalent to the seed rate in kg/ha.

Calibrated seed quantity for 1/40 ha x 40 = seed rate in kg/ha
Calibrated seed quantity for 1/10 ha x 10 = seed rate in kg/ha

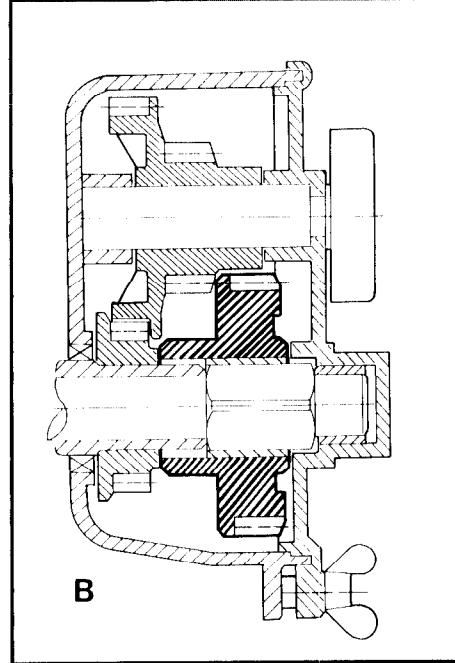
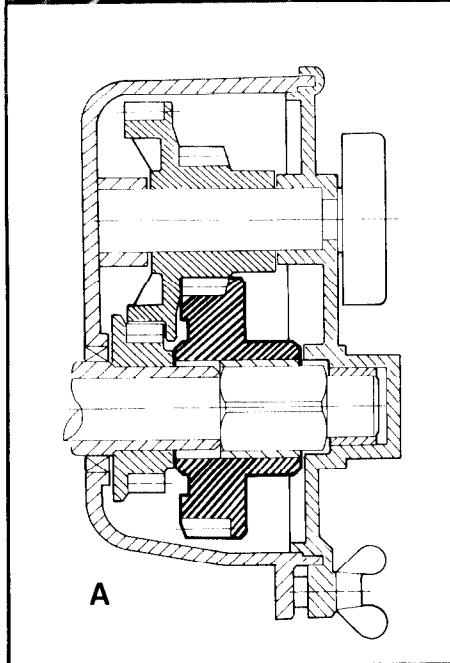
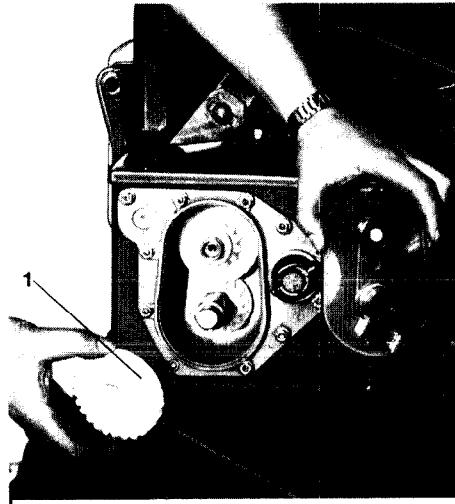


Fig. 4

Fig. 5

7. Hints for sowing with the stepless variable gearbox with two range low/high rate adjuster

The AMAZONE seed drill gearbox allows a stepless change of the metering shaft and thus of the seed rate. Two shaft speeds can be selected by turning a pinion of the low/high rate adjuster:

low rate (ref. Fig. 4/A)	high rate (ref. Fig. 4/B)
-----------------------------	------------------------------

By changing the gearbox from low to high rate the setting range of the setting scale is increased. The factory supplies the gearboxes always set on the low rate. The high rate should only then be used when at setting "100" on the scale in the low rate the desired seed rate cannot be obtained.

It is recommended to always drill in the slow speed range.

7.1 Setting the gearbox to high seed rate setting

If it is necessary to change the gearbox from low to high rate, open the side cover (Fig. 4/2) at the gearbox housing by undoing the thumb bolt (Fig. 4/3) and the two thumb nuts.

Pull the lower pinion off the shaft (Fig. 4/1) and reinsert it after turning it as shown in Fig. 5/1. If it is impossible to remove the pinion by hand move the metering shaft with a pair of pliers in the turning direction of the shaft until the pinion can be removed easily from the shaft.

Whilst the pinion in the low rate setting (Fig. 4) is being driven by the upper pinion, it is running free when in the high rate setting (Fig. 5). After changing the position of the pinion put on cover again.

Attention:

Whenever possible drill in low rate setting. After having drilled in the high speed setting, put the pinion back into the low rate setting.

7.2 Determining the gearbox setting number after conversion to high seed rate

For determining the correct gearbox setting No. after conversion to high rate setting conduct your first calibration test e. g. with the gearbox setting No. "50". With the weight of seed collected find your correct setting with the aid of the setting disc rule (see para. 3).

For the first calibration test the gearbox setting No. can also be calculated by the seed rate setting chart as follows:

Divide the desired seed rate (kg/ha) by 3 and take from the setting table that setting No. which corresponds to the calculated seed rate. Now conduct your first calibration test with this gearbox setting No.

Contents of seed setting charts

(Note: "0, . . . kg/l" is bulk density of the seed)

"TGW" stands for "thousand grain weight"

	Page
Dinkel (spelt)	2
Oats, moist dressed	3
Rye, moist dressed (normal metering wheel)	4
Rye, moist dressed (fine seed metering wheel)	5
Spring Barley, moist dressed	6
Winter Barley, moist dressed	7
Wheat, moist dressed	8
(Horse) Beans, small (normal metering wheel)	10
(Horse) Beans, large (bean metering wheel)	11
Peas	12
Grass-seed	13
Sorghum	14
Lupines	15
Alfalfa (Lucerne) (normal metering wheel)	16
Alfalfa (Lucerne) (fine seed metering wheel)	17
Oil-Radish (normal metering wheel)	18
Oil-Radish (fine seed metering wheel)	19
Phacelia (normal metering wheel)	20
Phacelia (fine seed metering wheel)	21
Rape seed (incrusted - pilleted)	22
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Red Clover (normal metering wheel)	24
Red Clover (fine seed metering wheel)	25
Mustard (normal metering wheel)	26
Mustard (fine seed metering wheel)	27
Soybeans	28
Sunflowers	29
Late turnip	30
Vetches	31
Flax	32

For any seeds with are not mentioned in the setting chart we recommend for the first calibration test to look for corresponding values of another seed having a similar size of the grain.

If the **first** calibration test did not result in the desired seed rate the new gearbox lever scale setting for the correct seed rate can simply be determined by the enclosed seed rate calculation disc rule (please see also paragraph 2).

Dinkel (spelt) 0.76 kg/Ltr.	Shutter slide position	open	Type of seed drill						
	Bottom flap position	2							
	Type of metering wheel	Normal metering wheel							
	Hints		D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2	AD8				
Row spacing (cm)					Gearbox setting No.				
8	10	11	12	13	14	15			
66	53	48	44	41	38	35	20	23	32
99	79	72	66	61	57	53	30	34	49
132	106	96	88	81	75	70	40	45	65
165	132	120	110	102	94	88	50	56	81
198	158	144	132	122	113	106	60	68	97
231	185	168	154	142	132	123	70	79	
264	211	192	176	162	151	141	80	90	
297	238	216	198	183	170	158	90	100	
330	264	240	220	203	189	176	100		
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio				
Reference figures! Always conduct calibration trials!									

Oats moist dressed 0.62 kg/Ltr.	Shutter slide position	open		Type of seed drill					
	Bottom flap position	2		D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2				
	Type of metering wheel	Normal metering wheel							
	Hints								
Row spacing (cm)					Gearbox setting No.				
8	10	11	12	13	14	15			
54	43	39	36	33	31	29	20	23	32
81	65	59	54	50	46	43	30	34	49
108	86	79	72	66	62	58	40	45	65
135	108	98	90	83	77	72	50	56	81
162	130	118	108	100	92	86	60	68	97
189	151	137	126	116	108	101	70	79	
216	173	157	144	133	123	115	80	90	
243	194	176	162	150	139	130	90	100	
270	216	196	180	166	154	144	100		
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio				
Reference figures! Always conduct calibration trials!									

Rye moist dressed 0,83 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	2	D8 E, D8 SUPER D8 SPECIAL									
	Type of metering wheel	Normal metering wheel	RPD, RP-AD-2 AD SPECIAL, AD-2									
	Hints		ADB									
Row spacing (cm)			Gearbox setting No.									
8	10	11	12	13	14	15						
84	67		61	56		52	48	45		20	23	32
126	101		92	84		78	72	67		30	34	49
168	134		122	112		103	96	90		40	45	65
210	168		153	140		129	120	112		50	56	81
252	202		183	168		155	144	134		60	68	97
294	235		214	196		181	168	157		70	79	
336	269		244	224		207	192	179		80	90	
378	302		275	252		233	216	202		90	100	
420	336		305	280		258	240	224		100		
Seed rate in kg/ha			Setting table for sowing in slow gearbox ratio									
Reference figures! Always conduct calibration trials!												

Rye moist dressed 0,83 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill	
	Bottom flap position	2	D8 E, D8 SUPER D8 SPECIAL	
	Type of metering wheel	Fine seed metering wheel	RPD, RP-AD-2 AD SPECIAL, AD-2	
	Hints		AD8	
Row spacing (cm)				Gearbox setting No.
8	10	11	12	13 14 15
14	11	10	9	9 8 7
21	17	15	14	13 12 11
28	22	20	19	17 16 15
35	28	25	23	22 20 19
42	34	31	28	26 24 22
49	39	36	33	30 28 26
56	45	41	37	34 32 30
63	50	46	42	39 36 34
70	56	51	47	43 40 37
Seed rate in kg/ha				Setting table for sowing in slow gearbox ratio
Reference figures! Always conduct calibration trials!				

Spring Barley moist dressed 0.75 kg/Ltr.			Shutter slide position	open			Type of seed drill					
			Bottom flap position	2			D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2	ADB			
			Type of metering wheel	Normal metering wheel								
			Hints									
Row spacing (cm)						Gearbox setting No.						
8	10		11	12		13	14	15				
84	67		61	56		52	48	45				
126	101		92	84		78	72	67				
168	134		122	112		103	96	90				
210	168		153	140		129	120	112				
252	202		183	168		155	144	134				
294	235		214	196		181	168	157				
336	269		244	224		207	192	179				
378	302		275	252		233	216	202				
420	336		305	280		258	240	224				
Seed rate in kg/ha												
Reference figures! Always conduct calibration trials!						Setting table for sowing in slow gearbox ratio						

Winter Barley moist dressed 0,68 kg/Ltr.					Shutter slide position		open		Type of seed drill		
					Bottom flap position		2				
					Type of metering wheel		Normal metering wheel				
					Hints						
Row spacing (cm)									Gearbox setting No.		
8	10		11	12		13	14	15			
71	57		52	47		44	40	38		20	23
106	85		77	71		65	61	57		30	34
142	113		103	94		87	81	76		40	45
177	142		129	118		109	101	94		50	56
212	170		154	142		131	121	113		60	68
248	198		180	165		152	142	132		70	79
283	227		206	189		174	162	151		80	90
319	255		232	212		196	182	170		90	100
354	283		257	236		218	202	189		100	
Seed rate in kg/ha									Setting table for sowing in slow gearbox ratio		
Reference figures! Always conduct calibration trials!											

Wheat moist dressed 0.83 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill				
	Bottom flap position	2					
	Type of metering wheel	Normal metering wheel					
	Hints						
	Row spacing (cm)			Gearbox setting No.			
8	10	11	12	13 14 15	20	23	32
92	73	67	61	56 52 49	30	34	49
138	110	100	92	85 79 73	40	45	65
184	147	134	122	113 105 98	50	56	81
230	184	167	153	141 131 122	60	68	97
275	220	200	184	169 157 147	70	79	
321	257	234	214	198 184 171	80	90	
367	294	267	245	226 210 196	90	100	
413	330	300	275	254 236 220	100		
459	367	334	306	282 262 245			
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio		
Reference figures! Always conduct calibration trials!							

Horse beans, small 0,86 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	6	D8 E, D8 SUPER D8 SPECIAL	AD SPECIAL, AD-2								
	Type of metering wheel	Normal metering wheel		AD8								
	Hints											
Row spacing (cm)				Gearbox setting No.								
15	20	25	30	35	40	45						
94	70		56	47		40	35	31		20	23	32
140	105		84	70		60	53	47		30	34	49
187	140		112	94		80	70	62		40	45	65
234	176		140	117		100	88	78		50	56	81
281	211		168	140		120	105	94		60	68	97
328	246		197	164		140	123	109		70	79	
374	281		225	187		160	140	125		80	90	
421	316		253	211		181	158	140		90	100	
468	351		281	234		201	176	156		100		
Seed rate in kg/ha				Setting table for sowing in slow gearbox ratio								
Reference figures! Always conduct calibration trials!				Setting table for sowing in slow gearbox ratio								

Horse beans, large	Shutter slide position	open	Type of seed drill	
	Bottom flap position	8	D8 E, D8 SUPER D8 SPECIAL	
	Type of metering wheel	Bean metering wheel	RPD, RP-AD-2 AD SPECIAL, AD-2	AD8
0.83 kg/Ltr.	Hints			
Row spacing (cm)				Gearbox setting No.
15	20	25	30	35 40 45
98	74	59	49	42 37 33
148	111	89	74	63 55 49
197	148	118	98	84 74 66
246	185	148	123	105 92 82
295	222	177	148	127 111 98
344	259	207	172	148 129 115
394	296	236	197	169 148 131
443	333	266	221	190 166 148
492	370	295	246	211 185 164
Seed rate in kg/ha				Setting table for sowing in slow gearbox ratio
Reference figures! Always conduct calibration trials!				

Peas 0.82 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	4										
	Type of metering wheel	Normal metering wheel										
	Hints											
Row spacing (cm)			Gearbox setting No.									
8	10		11	12		13	14	15				
151	121		110	101		93	86	81		20	23	32
227	181		165	151		140	130	121		30	34	49
302	242		220	202		186	173	161		40	45	65
378	302		275	252		233	216	202		50	56	81
454	363		330	302		279	259	242		60	68	97
529	423		385	353		326	302	282		70	79	
605	484		440	403		372	346	323		80	90	
680	544		495	454		419	389	363		90	100	
Seed rate in kg/ha												
Reference figures! Always conduct calibration trials!												Setting table for sowing in slow gearbox ratio

Grass seed 0.42 kg/Ltr.	Shutter slide position	open		Type of seed drill	
	Bottom flap position	2		D8 E, D8 SUPER D8 SPECIAL	
	Type of metering wheel	Normal metering wheel		RPD, RP AD-2 AD SPECIAL, AD-2	
	Hints			AD8	
Row spacing (cm)					Gearbox setting No.
8	10	11	12	13	14 15
8	7	6	6	5	5 4
17	13	12	11	10	9 9
33	26	24	22	20	19 18
50	40	36	33	31	28 26
66	53	48	44	41	38 35
83	66	60	55	51	47 44
99	79	72	66	61	57 53
116	92	84	77	71	66 62
132	106	96	88	81	75 70
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio
Reference figures! Always conduct calibration trials!					

Sorghum 0.84 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill								
	Bottom flap position	1	D8 E, D8 SUPER D8 SPECIAL								
	Type of metering wheel	Normal metering wheel	RPD, RP-AD-2 AD SPECIAL, AD-2								
	Hints		AD 8								
Row spacing (cm)		Gearbox setting No.									
40	45		50	55	60	65	70				
9	8		7	6	6	5	5		10	11	16
18	16		14	13	12	11	10		20	23	32
26	24		21	19	18	16	15		30	34	49
35	31		28	26	24	22	20		40	45	65
44	39		35	32	29	27	25		50	56	81
53	47		42	39	35	33	30		60	68	97
62	55		49	45	41	38	35		70	79	
71	63		57	51	47	43	40		80	90	
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio						
Reference figures! Always conduct calibration trials!											

Lupines						Shutter slide position		3/4 open			Type of seed drill					
						Bottom flap position		4								
						Type of metering wheel	Normal metering wheel									
0,84 kg/Ltr.						Hints					D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2	AD8			
Row spacing (cm)										Gearbox setting No.						
10	15		20	25		30	40	50		10	11	16				
59	40		30	24		20	15	12		20	23	32				
119	79		59	47		40	30	24		30	34	49				
178	119		89	71		59	44	36		40	45	65				
237	158		119	95		79	59	47		50	56	81				
296	198		148	119		99	74	59		60	68	97				
356	237		178	142		119	89	71		70	79					
415	277		207	166		138	104	83		80	90					
475	316		237	190		158	119	95								
Seed rate in kg/ha										Setting table for sowing in slow gearbox ratio						
Reference figures! Always conduct calibration trials!																

Alfalfa (Lucerne) 0,86 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill						
	Bottom flap position	1	D8 E, D8 SUPER D8 SPECIAL	RPD, RP AD-2 AD SPECIAL, AD-2					
	Type of metering wheel	Normal metering wheel		AD8					
	Hints								
Row spacing (cm)				Gearbox setting No.					
8	10	11	12	13	14	15			
20	16	15	14	13	12	11	5	6	8
41	33	30	27	25	23	22	10	11	16
81	65	59	54	50	47	43	20	23	32
122	98	89	81	75	70	65	30	34	49
Seed rate in kg/ha				Setting table for sowing in slow gearbox ratio					
Reference figures! Always conduct calibration trials!									

Alfalfa (Lucerne) 0,86 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	1										
	Type of metering wheel	Fine seed metering wheel										
	Hints											
Row spacing (cm)					Gearbox setting No.							
8	10		11	12		13	14	15				
2,9	2,3		2,1	1,9		1,8	1,6	1,5		5	6	8
5,7	4,6		4,2	3,8		3,5	3,3	3,1		10	11	16
11,5	9,2		8,3	7,6		7,1	6,6	6,1		20	23	32
17,2	13,8		12,5	11,5		10,6	9,8	9,2		30	34	49
22,9	18,3		16,7	15,3		14,0	13,1	12,2		40	45	65
28,7	22,9		20,8	19,1		17,6	16,4	15,3		50	56	81
34,4	27,5		25,0	22,9		21,2	19,6	18,3		60	68	97
40,1	32,1		29,2	26,7		24,7	22,9	21,4		70	79	
45,8	36,7		33,3	30,6		28,2	26,2	24,5		80	90	
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio							
Reference figures! Always conduct calibration trials!												

Oil Radish 0,73 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	1	D8 E, D8 SUPER D8 SPECIAL									
	Type of metering wheel	Normal metering wheel	RPD, RP-AD-2 AD SPECIAL, AD-2									
	Hints	Agitator shaft stopped	AD 8									
Row spacing (cm)			Gearbox setting No.									
10	15	20	25	30	40	50						
13,6	9,1		6,8	5,4		4,5	3,4	2,7		5	6	8
27,2	18,1		13,6	10,7		9,1	6,8	5,4		10	11	16
40,7	27,2		20,4	16,3		13,6	10,2	8,2		15	17	24
54,3	36,2		27,2	21,7		18,1	13,6	10,7		20	23	32
67,9	45,3		33,9	27,2		22,6	17,0	13,6		25	28	41
81,5	54,3		40,7	32,6		27,2	20,4	16,3		30	34	49
95,0	63,4		47,5	38,0		31,7	23,8	19,0		35	39	57
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio							
Reference figures! Always conduct calibration trials!												

Oil Radish 0,73 kg/Ltr.	Shutter slide position	3/4 open		Type of seed drill					
	Bottom flap position	1		D8 E, D8 SUPER D8 SPECIAL	RPD, RPAD-2 AD SPECIAL, AD-2	AD8			
	Type of metering wheel	Fine seed metering wheel							
	Hints	Agitator shaft stopped							
Row spacing (cm)						Gearbox setting No.			
10	15		20	25		30 40 50			
2,2	1,5		1,1	0,9		0,7 0,6 0,4			
4,4	2,9		2,2	1,8		1,5 1,1 0,9			
8,8	5,9		4,4	3,5		2,9 2,2 1,8			
13,2	8,8		6,6	5,3		4,4 3,3 2,6			
17,6	11,7		8,8	7,0		5,9 4,4 3,5			
22,0	14,7		11,0	8,8		7,3 5,5 4,4			
26,4	17,6		13,2	10,6		8,8 6,6 5,3			
Seed rate in kg/ha						Setting table for sowing in slow gearbox ratio			
Reference figures! Always conduct calibration trials!									

Phacelia (green manure) 0.64 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	1	D8 SUPER D8 SPECIAL									
	Type of metering wheel	Normal metering wheel	RPD, RP-AD-2 AD SPECIAL, AD-2									
	Hints		AD8									
Row spacing (cm)			Gearbox setting No.									
8	10	11	12	13	14	15						
14.8	11.8		10.8	9.9		9.1	8.5	7.9		5	6	8
29.6	23.7		21.5	19.7		18.2	16.9	15.8		10	11	16
44.4	35.5		32.3	29.6		27.3	25.4	23.7		15	17	24
59.2	47.4		43.1	39.5		36.4	33.8	31.6		20	23	32
74.0	59.2		53.8	49.3		45.5	42.3	39.5		25	28	41
88.8	71.0		64.6	59.2		54.6	50.7	47.4		30	34	49
Seed rate in kg/ha										Setting table for sowing in slow gearbox ratio		
Reference figures! Always conduct calibration trials!												

Phacelia (green manure)	0,64 kg/Ltr.	Shutter slide position	3/4 open			Type of seed drill		
		Bottom flap position	1			RPD, RP-AD-2	AD SPECIAL, AD-2	
		Type of metering wheel	Fine seed metering wheel			AD8	AD8	^
		Hints	Recommendation: Use normal metering wheel for rates above 12 kg/ha					
Row spacing (cm)							Gearbox setting No.	
8	10		11	12		13	14	15
2,3	1,9		1,7	1,5		1,4	1,3	1,2
4,6	3,7		3,4	3,1		2,8	2,6	2,5
9,2	7,4		6,7	6,2		5,7	5,3	4,9
13,8	11,1		10,1	9,2		8,5	7,9	7,4
18,5	14,8		13,4	12,3		11,4	10,6	9,8
23,1	18,5		16,8	15,4		14,2	13,2	12,3
27,7	22,1		20,1	18,5		17,0	15,8	14,8
32,3	25,8		23,5	21,5		19,9	18,5	17,2
Seed rate in kg/ha							Setting table for sowing in slow gearbox ratio	
Reference figures! Always conduct calibration trials!								

Rape (incrusted, pilleted)	Shutter slide position	3/4 open	Type of seed drill	
	Bottom flap position	1	D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2
	Type of metering wheel	Fine seed metering wheel		
	Hints	Agitator shaft stopped		
0.67 kg/Ltr.	Row spacing (cm)			
	10	15	20	25
1,9	1,3		0,9	0,8
3,8	2,5		1,9	1,5
7,5	5,0		3,8	3,0
11,3	7,5		5,6	4,5
15,0	10,0		7,5	6,0
18,8	12,5		9,4	7,5
22,5	15,0		11,3	9,0
26,3	17,5		13,1	10,5
30,0	20,0		15,0	12,0
Seed rate in kg/ha				
Reference figures! Always conduct calibration trials!				Setting table for sowing in slow gearbox ratio

Rape undressed 0.74 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill	
	Bottom flap position	1	D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2
	Type of metering wheel	Fine seed metering wheel		
	Hints	Agitator shaft stopped	AD8	
Row spacing (cm)				
10	15	20	25	30 40 50
2,3	1,5		1,1	0,9 0,8 0,6 0,5
4,5	3,0		2,2	1,8 1,5 1,1 0,9
9,0	6,0		4,5	3,6 3,0 2,3 1,8
13,5	9,0		6,8	5,4 4,5 3,4 2,7
18,0	12,0		9,0	7,2 6,0 4,5 3,6
22,5	15,0		11,3	9,0 7,5 5,6 4,5
27,0	18,0		13,5	10,8 9,0 6,8 5,4
31,5	21,0		15,8	12,6 10,5 7,9 6,3
36,0	24,0		18,0	14,4 12,0 9,0 7,2
Seed rate in kg/ha				
Reference figures! Always conduct calibration trials!				
Setting table for sowing in slow gearbox ratio				

Red Clover 0,88 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill			
	Bottom flap position	1				
	Type of metering wheel	Fine seed metering wheel				
	Hints	Agitator shaft stopped	D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2	AD8	
Row spacing (cm)						Gearbox setting No.
8	10	11	12	13	14	15
2,3	1,8	1,7	1,5	1,4	1,3	1,2
4,6	3,7	3,3	3,1	2,8	2,6	2,5
9,2	7,4	6,7	6,1	5,7	5,3	4,9
13,8	11,0	10,0	9,2	8,5	7,9	7,4
18,4	14,7	13,4	12,3	11,3	10,5	9,8
23,0	18,4	16,7	15,3	14,2	13,1	12,3
27,6	22,1	20,1	18,4	17,0	15,8	14,7
32,2	25,8	23,4	21,5	19,8	18,4	17,2
36,8	29,4	26,8	24,5	22,6	21,0	19,6
Seed rate in kg/ha						Setting table for sowing in slow gearbox ratio
Reference figures! Always conduct calibration trials!						

Mustard 0.78 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill	
	Bottom flap position	1		
	Type of metering wheel	Fine seed metering wheel		
	Hints	Agitator shaft stopped	D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2
Row spacing (cm)				Gearbox setting No.
8	10	11	12	13
5,9	4,8	4,3	4,0	3,7
11,9	9,5	8,6	7,9	7,3
17,8	14,3	13,0	11,9	11,0
23,8	19,0	17,3	15,8	14,6
29,7	23,8	21,6	19,8	18,3
35,6	28,5	25,9	23,8	21,9
41,6	33,3	30,2	27,7	25,6
47,5	38,0	34,6	31,7	29,2
				10
				11
				16
				20
				23
				32
				30
				34
				49
				40
				45
				65
				50
				56
				81
				60
				68
				97
				70
				79
				80
				90
Seed rate in kg/ha				Setting table for sowing in slow gearbox ratio
Reference figures! Always conduct calibration trials!				

Soy beans 0,81 kg/Ltr.	Shutter slide position	3/4 open			Type of seed drill							
		Bottom flap position			4							
		Type of metering wheel		Normal-metering wheel								
	Hints											
Row spacing (cm)												
15	20		25	30		35	40	45		Gearbox setting No.		
71	53		42	35		30	27	24		20	23	32
106	80		64	53		45	40	35		30	34	49
141	106		85	71		61	53	47		40	45	65
177	133		106	88		76	66	59		50	56	81
212	159		127	106		91	80	71		60	68	97
248	186		149	124		106	93	83		70	79	
283	212		170	141		121	106	94		80	90	
318	239		191	159		136	119	106		90	100	
354	265		212	177		152	133	118		100		
Seed rate in kg/ha								Setting table for sowing in slow gearbox ratio				
Reference figures! Always conduct calibration trials!												

Sunflower 0,48 kg/Ltr.		Shutter slide position	3/4 open		Type of seed drill								
		Bottom flap position	2			D8 E, D8 SUPER D8 SPECIAL	RPD, RP.AD-2 AD SPECIAL, AD-2						
		Type of metering wheel	Normal metering wheel										
		Hints											
Row spacing (cm)								Gearbox setting No.					
30	35		40	45		50	55	60					
3,4	2,9		2,5	2,3		2,0	1,9	1,7		5	6	8	
6,8	5,8		5,1	4,5		4,1	3,7	3,4		10	11	16	
13,6	11,6		10,2	9,1		8,1	7,4	6,8		20	23	32	
20,4	17,5		15,3	13,6		12,2	11,1	10,2		30	34	49	
27,2	23,3		20,4	18,1		16,3	14,8	13,6		40	45	65	
34,0	29,1		25,5	22,6		20,4	18,5	17,0		50	56	81	
40,7	34,9		30,5	27,2		24,4	22,2	20,4		60	68	97	
47,5	40,7		35,6	31,7		28,5	25,9	23,8		70	79		
54,3	46,5		40,7	36,2		32,6	29,6	27,2		80	90		
Seed rate in kg/ha								Setting table for sowing in slow gearbox ratio					
Reference figures! Always conduct calibration trials!													

Late turnip	Shutter slide position	3/4 open	Type of seed drill									
	Bottom flap position	1										
	Type of metering wheel	Fine seed metering wheel										
0,73 kg/Ltr.	Hints	Agitator shaft stopped	D8 E, D8 SUPER D8 SPECIAL	RPD, RP:AD-2 AD SPECIAL, AD-2	AD8							
Row spacing (cm)					Gearbox setting No.							
15	20	25	30	35	40	45						
1,4	1,1		0,9	0,7		0,6	0,5	0,5		5	6	8
2,9	2,1		1,7	1,4		1,2	1,1	1,0		10	11	16
5,7	4,3		3,4	2,8		2,4	2,1	1,9		20	23	32
8,6	6,4		5,1	4,2		3,7	3,2	2,9		30	34	49
11,4	8,6		6,8	5,7		4,9	4,3	3,8		40	45	65
14,3	10,7		8,6	7,1		6,1	5,3	4,8		50	56	81
17,1	12,8		10,3	8,5		7,3	6,4	5,7		60	68	97
Seed rate in kg/ha					Setting table for sowing in slow gearbox ratio							
Reference figures! Always conduct calibration trials!												

Vetches 0,87 kg/Ltr.	Shutter slide position	3/4 open	Type of seed drill	
	Bottom flap position	2	D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2
	Type of metering wheel	Normal metering wheel		
	Hints		AD8	
Row spacing (cm)				Gearbox setting No.
8	10	11	12	13 14 15
27	22	20	18	17 15 14
54	43	39	36	33 31 29
108	86	79	72	66 62 58
162	130	118	108	100 93 86
216	173	157	144	133 123 115
270	216	196	180	166 154 144
324	259	236	216	199 185 173
378	302	275	252	233 216 202
432	346	314	288	266 247 230
Seed rate in kg/ha				Setting table for sowing in slow gearbox ratio
Reference figures! Always conduct calibration trials!				

Flax dressed 0.67 kg/Ltr.	Shutter slide position	3/4 open			Type of seed drill		
	Bottom flap position	1			D8 E, D8 SUPER D8 SPECIAL	RPD, RP.AD-2 AD SPECIAL, AD-2	AD8
	Type of metering wheel	Normal metering wheel					
	Hints						
Row spacing (cm)						Gearbox setting No.	
8	10	11	12	13	14	15	
57	46	41	38	35	33	30	20 23 32
86	68	62	57	53	49	46	30 34 49
114	91	83	76	70	65	61	40 45 65
143	114	104	95	88	81	76	50 56 81
171	137	124	114	105	98	91	60 68 97
200	160	145	133	123	114	106	70 79
228	182	166	152	140	130	122	80 90
257	205	187	171	158	147	137	90 100
285	228	207	190	175	163	152	100
Seed rate in kg/ha						Setting table for sowing in slow gearbox ratio	
Reference figures! Always conduct calibration trials!							

kg/Ltr.	Shutter slide position		Type of seed drill	
	Bottom flap position		D8 E, D8 SUPER D8 SPECIAL	RPD, RP-AD-2 AD SPECIAL, AD-2
	Type of metering wheel			
	Hints			AD8
Row spacing (cm)			Gearbox setting No.	
Seed rate in kg/ha			Setting table for sowing in slow gearbox ratio	
Reference figures! Always conduct calibration trials!				

Personal Notes

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