

Instruction Manual

PLOT FERTILISER DRILL

PROBE

Specifications:

Maximum working width 150 cm.

12 pcs sowing wheels placed at a distance of 2,5 cm.

The working width can be reduced in steps of 12,5 cm, by closing the shut-off plates.

The shut-off plates of the seed wheels in use must be placed in top position.

Calibration:

- 1) Place the bottom trap handle in cavity no. 1 at very fine granulated fertiliser. At normal granulated fertiliser, use the cavity 3 or 4.
- 2) The sowing rate is adjusted on the screw handle. The more the fluted feed rollers are pushed into the seed housings, the more the sowing rate is increased.

The sowing rate can also be increased by changing the rotation speed of the sowing shaft by using the replaceable drive casing. You will obtain the greatest accuracy with a big opening of the seed wheels and a low rotation speed of the sowing shaft.

- 3) When the machine is set up, the calibration tray is placed below the outlets and fertiliser is filled into the hopper.
- 4) Push the machine at least 10 m so that the seed housing is filled with fertiliser.
Now, check the setting by pushing the machine close to the plot you are going to drill and collect the fertiliser in the tray.
Mark out an area of 1/100 hectare.

At a working width of 1,5 m

$$\frac{10,000\text{m}^2 \times 1}{100 \times 1,5} = 66,6 \text{ m} \quad 33,3 \text{ m single and return}$$

Working width	1,25 m	40 m single and return
	1,20 m	41,7 m single and return

Example: Wanted sowing rate 390 kg per hectare.

- 1) Choose the adjustment by consulting the sowing table: 21-2 (21+2 notch).
- 2) With the calibration tray placed below the outlets, you push the drill at least 10 m to ensure the seed housings are filled with fertiliser.
- 3) Empty the contents of the tray into the seed hopper after which the control sowing can be carried out.
- 4) Pull the machine to the marked out control area and push the machine equivalent to 1/100 hectare.
- 5) The quantity weighs 3.1 kg (310 kg). Find in the sowing table the figure closest to 310 kg (here 307 adjustment 18) and count the number of adjustments to perform on the adjusting knob in order to achieve the 390 kg. The shown 385 kg in the sowing table is the closest figure corresponding to plus 5 notch.
- 6) Turn the adjusting knob to the setting 27-1.
- 7) Carry out a new control of calibration and readjust if necessary.

Subsequent to use, the machine has to be flushed with water and kept in a dry place.

Directive Sowing Table for PROBE Fertiliser Drill

Kilo Per Hectare

Adjustment	Low	High
	Casing Z15 -> Z30 (Z30 sprocket on the sowing shaft)	Casing Z30 ->Z30
<u>0</u>	61	122
0 - 1	72	144
0 - 2	84	168
<u>3</u>	95	190
3 - 1	107	214
3 - 2	120	240
<u>6</u>	132	264
6 - 1	144	288
6 - 2	157	314
<u>9</u>	169	338
9 - 1	184	368
9 - 2	200	400
<u>12</u>	215	430
12 - 1	230	460
12 - 2	246	492
<u>15</u>	261	522
15 -1	276	552
15 - 2	292	584
<u>18</u>	307	614
18 - 1	323	646
18 - 2	338	676
<u>21</u>	354	708
21 - 1	369	738
21 - 2	385	716
<u>24</u>	400	800
24 - 1	416	832
24 - 2	431	862
<u>27</u>	447	894
27 - 1	463	926
27 - 2	478	956
<u>30</u>	494	988