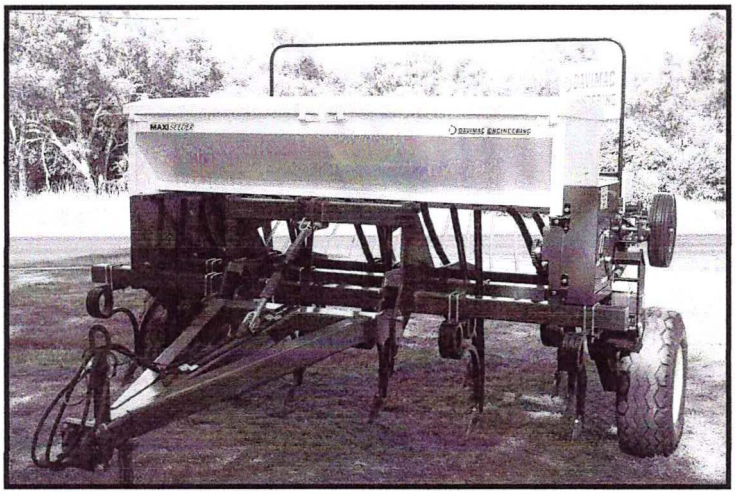
DAVIMAC ENGINEERING

OPERATOR'S MANUAL



MAXISEEDER

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INTRODUCTION

Davimac Engineering thanks you for purchasing one of our products.

It is the responsibility of the user to understand the operation, safety, maintenance and lubrication before operating the Maxiseeder. It is the users responsibility to check and service the machine as specified in the Manual.

WARRANTY

Davimac Pty Ltd warrants against defects in materials or workmanship for 1 year. We reserve the right to inspect and decide whether material or workmanship was the faulty or whether abuse or accident voids our warranty.
Warranty service must be undertaken by a dealer or service center approved by Davimac Engineering. Warranty service will be performed without charge to the purchaser if warranty claim is valid. If the original purchaser sell or transfers this product to a third party the warranty does not transfer to the third party in any way.
The manufacturer reserves the right to make product design changes at any time without notice. They shall not be obligated or liable for the replacement of previously sold products

SAFETY

Safety is the responsibility of the operator and is measured by how you operate and service the machine. Know how the machine functions and what the controls do, before trying to operate this machine.

Below are some safety points, we have tried to cover all safety issues but the operator should do a safety evaluation of the machine before operating this machine.

! **Never permit any persons other than the operator to ride on the tractor.**

! **Never ride on the planter or allow others to ride on the planter.**

! **Do not allow anyone to stand between the hitch and towing vehicle when backing up to the planter**

! **Never work under planter when machine is in the raised position unless the ram safety stops are in.**

MAINTENANCE

Bolts and Hardware
Check all bolts and hardware after 50 hours use.
Check wheel nuts every day for the first 3 days and weekly after that.

Cleaning of the planter and preparation for storage
The Maxiseeder should be shedded when not in use.
1 Make sure all seed and fertilizer boxes are empty and clean.
2 Spray a light spray of diesel or WD 40 on the inside of the boxes to prevent corrosion.

Tire pressure should be checked weekly it should be at 40 psi

LUBRICATION

1 Gear box oil should be checked yearly and topped up if required.
2 All drive line bearings should be greased daily.
3 All chains should be oiled daily.
4 Axle pivot should be greased yearly.

Calibration numbers

Rows	Spacing	Num of turns	Num to x by
10	175	121	200
13	150	109	260
13	175	93	260
16	150	88	320
16	175	76	320
19	150	74	380
19	175	64	380
22	150	64	440
22	175	55	440
25	150	56	500

OPERATION

TRACTOR REQUIREMENTS

Check that tractor compatibility and power are sufficient to suit the planter and that it has one set of remote hydraulic outlets

HOOKUP

When hooking planter to the towing vehicle the operator has the reasonsability of safety for other persons in the area. Persons should not stand in between tractor and planter.

CALIBRATION

We have supplied a calibration charts but it is only a guide as grain and fertilizer size and weight can vary.

Ensure you have accurate weighing scales.

CALIBRATION OF SEED BOX

To calibrate:

1 Cover 2 rows in the seed box (front box) with enough grain to cover the feed rollers.

2 Place ice cream containers under the down tubes that have the grain covering them.

3 Turn the idler wheel (the wheel that runs on top of the ground wheel) in a clock wise direction for _____ turns.

4 Weigh the grain and times that amount by _____ to give you kg/Ha.

5 If calibration is wrong make adjustments and redo steps 1 to 4

You can change the gearing by changing the chain that goes from the box to the gear box to give you a lower or higher rate.

Low gearing High gearing

CALIBRATION OF FERTILIZER BOX

To calibrate:

1 Cover 2 rows in the seed box (back box) with enough fertilizer to cover the feed rollers

2 Place ice cream containers under the down tubes that have the fertilizer covering them.

3 Turn the idler wheel (the wheel that runs on top of the ground wheel) in a clock wise direction for _____ turns.

4 Weigh the grain and times that amount by _____ to give you kg/Ha.

5 If calibration is wrong make adjustments and redo steps 1 to 4

CALAIBRATION OF SMALL SEED BOX (if fitted)

To calibrate:

1 Cover all the rows in all the seed box with enough grain to cover the feed rollers.

2 Place guttering under all the tubes.

3 Make sure the clutch is engaged.

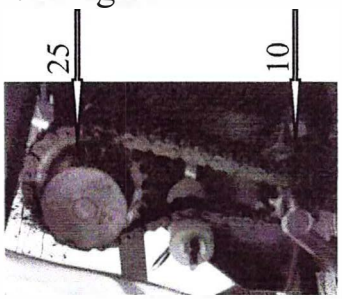
4 Turn the idler wheel (the wheel that runs on top of the ground wheel) in a clock wise direction for _____ turns.

5 Weigh the grain and times that amount by 40 to give you kg/Ha.

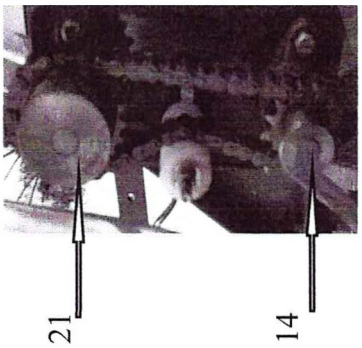
6 If calibration is wrong make adjustments and redo steps 1 to 5

If you are unable to get the seeding rate high or low enough you are able to change the sprockets on the gear box. It is recommend that the feed rollers be closed no more than 2.

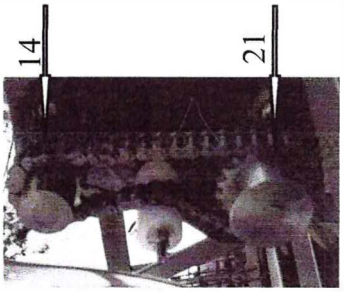
Setting 1



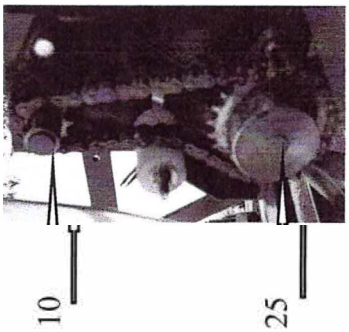
Setting 2



Setting 3



Setting 4



Setting 1 is the slowest (less seed per hectare)
Setting 4 is the fastest (more seed per hectare)

CALIBRATION CHART

Seed

Low gearing

	wheat	barley	oats		
L 0.5					
L 1	2.5	2	1.5		
L 1.5	4.5	4	2.7		
L 2	6	5	4.5		
L 2.5	8	6	6		
L 3	10	8	7		
L 3.5	12	11	8		
L 4	15	13	9		
L 4.5	17.5	15	11.5		
L 5	20	18	14		
L 5.5	23	21	16		
L 6	26	25	18		
L 6.5	30	28	21		
L 7	35	32	24		
L 7.5	40	36	27		
L 8	44	40	30		

Red clover	Lucerne	Sub clover	Canola	Phalaris	Ryegrass
3.6	3.2	2.4	2	2	1.5
5.5	5	4	3.3	3.3	2
7	6.5	5	4	4	2.5
10	9	6.5	5	5	4
13	12	8	6.6	6.5	5
17	15	10	8	8	6
19	17	12	10	10	7
22	20	15	12	12	8
26	23	17	14	14	9
30	26	19	16	16	10
34	30	22	18	18	12
40	35	26	21.5	21.5	14
45	40	31	26	26	15
52	46	35	30	30	18
60	53	40	33	33	21

CALIBRATION CHART

Seed

High gearing

	wheat	barley	oats		
H0.5					
H1	10	9	6		
H1.5	19	17	12		
H2	36	32	25		
H2.5	36	32	25		
H3	42	40	30		
H3.5	57	50	35		
H4	70	60	40		
H4.5	80	70	50		
H5	90	80	60		
H5.5	105	95	70		
H6	120	110	80		
H6.5	140	125	92		
H7	160	140	105		
H7.5	180	160	117		
H8	200	180	130		

CALIBRATION CHART

Fertilizer

	UREA	DAP	SINGAL SUPER		
0.5					
1	12	15	17		
1.5	20	25	30		
2	30	35	40		
2.5	35	43	51		
3	44	53	63		
3.5	51	63	78		
4	60	73	95		
4.5	70	85	110		
5	80	97	125		
5.5	90	110	145		
6	100	122	160		
6.5	115	140	180		
7	130	155	195		
7.5	140	170	225		
8	150	185	250		

CALIBRATION CHART

Small seed box

Setting 1

	Red clover	Lucerne	Sub clover	Canola	Phalaris	Ryegrass
2	1.6	1.3	1.2	1	1	0.6
4	3.5	3	2.8	2.2	2.5	1.2
6	5.5	4.5	4.5	3.7	3.7	2
8	7.5	6.5	6	5	5	2.7
9	8.5	8	7	6	5.7	3

2					
4					
6					
8					
9					

CALIBRATION CHART

Small seed box

Setting 4

	Red clover	Lucerne	Sub clover	Canola	Phalaris	Ryegrass
2	10.5	8	7.5	6	6.5	3.7
4	22.5	18	17.5	14	16	7.8
6	34.5	30	29	23	24	12.5
8	46	41	39	31.5	31.5	16.5
9	52	50	45	38.2	36	19.5

2					
4					
6					
8					
9					