



PASTURE SEEDER OPERATORS MANUAL

From the following Serial Number forward:
PS 001 2015



Model Number: _____

Serial Number: _____

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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 Pasture Seeder. It is the user's 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 faulty or whether abuse or accident voids our warranty.

Warranty service must be undertaken by a dealer or service centre approved by Davimac Engineering. Warranty service will be performed without charge to the purchaser if warranty claim is valid. If the original purchaser sells 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 with- out 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.
- ! Never allow anyone within the immediate area when working.
- ! Don't operate or do maintenance on the planter unless you are trained to do so.
- ! Before doing any maintenance do a safety evaluation.
- ! Do not service hydraulic system while under pressure.

MACHINE MAINTENANCE

- The bearing should be greased at the start of sowing - 2 pumps per bearing.
- The clutch should be greased once daily.
- The seed box should be thoroughly cleaned at the end of the sowing season.
- It is recommended that the seeder should be shedded.

ENGAGE AND DISENGAGE CLUTCH

Removing the pin to disengage the clutch.

Replacing the pin to engage the clutch.



ADJUSTING THE SEED BOX CHOKE

By moving the seed box drive bar across, the choke in each feed roller will open or close. Loosen and tighten the two nuts on the drive bar to shift the bar across.

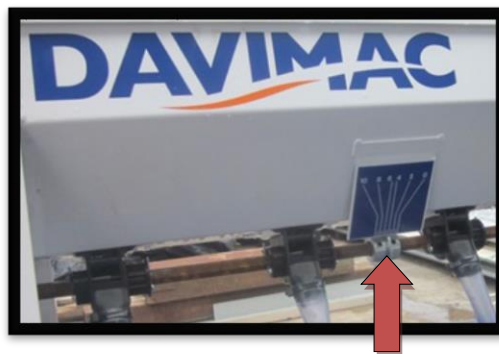


Small Seed Box Choke Adjustment



Two nuts which adjust choke

Loosen the nuts at the end of the drive shaft and then move the shaft so the washer aligns with the required setting.



Washer to scale alignment

CALIBRATION OF PASTURE SEEDER

The calibration charts given are a guide only and should be checked as seed weight and size vary.

Step 1-Jack up the drive wheel and ensure seeder clutch is engaged.

Step 2-Place containers beneath 4 of the down tubes.

Step 3-Put enough seed in the box to cover the 4 feed rollers with containers.

Step 4-Turn the wheel in a forward direction of travel for number of revolutions (refer to table column "A") which will be equivalent to 1/20 of a hectare.

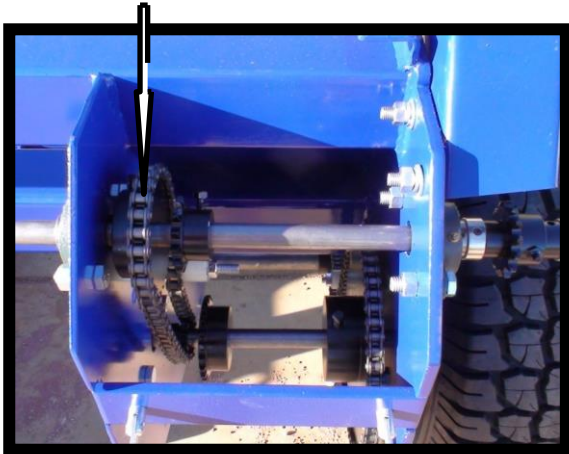
Step 5-Collect the seed from the 4 containers and weigh it in grams. Multiply this amount by relevant number (refer column "B") to give you kg/hectare.

We have supplied calibration charts but these are only a guide as grain size and weight can vary.

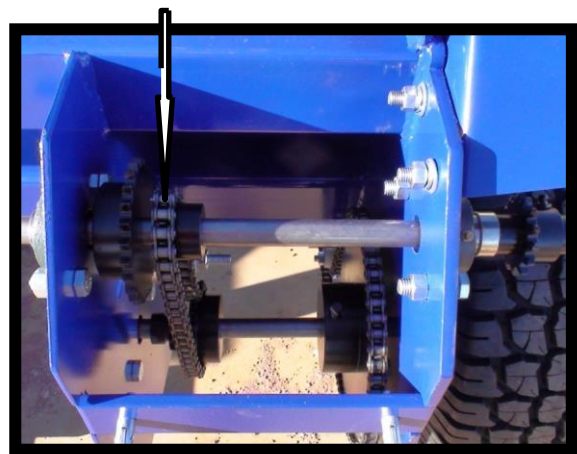
Rows	Row Spacing	Sowing Width	(A) Turns of Wheel per 1/20th of a Ha	(B) Multiply grams for 4 rows by this number for Kg/Ha
12	150	1800	122	0.06
12	175	2100	104	0.06
14	150	2100	104	0.07
14	175	2450	90	0.07
16	150	2400	91	0.08
16	175	2800	78	0.08
20	150	3000	73	0.1
20	175	3500	63	0.1
24	150	3600	61	0.12
24	175	4200	52	0.12
28	150	4200	52	0.14
28	175	4900	45	0.14

If you are unable to get the seeding rate high or low enough you are able to change the sprockets in the gear box. It is recommended that the feedrollers be closed no more than 3/4.

Low gear



High gear



SMALL SEED CALIBRATION CHARTS

Charts are in kg per ha

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

	High Gear				
Seed Box Settings	2	4	6	8	9
Red Clover	6.5	13.5	21	27.5	31.5
Lucerne	5	11	18	24	30
Sub Clover	4.5	10.5	17	23.5	27
Canola	3.5	8.5	13.5	19	23
Phalaris	3.8	9.6	14.5	19	21.5
Ryegrass	2.2	4.7	7.5	10	11.5