



Precision Vacuum Planters

Twin-Row Mounted Planter

NG *Plus* 3

Operator & Parts Manual

Includes Instructions for:

- Safety
- Operation
- Maintenance

INTRODUCTION

Congratulations on your purchase of a MONOSEM planter.

This manual has been prepared for use in operation, adjustment, and maintenance of the planter. Read this manual carefully before operating your planter.

The information used in compiling this manual is current, however as production changes do occur on a continual basis, Monosem Inc. reserves the right to change specifications or designs without notice and without the obligation to install the same on previously manufactured machines.

Please take the time now to record your serial number and date of purchase for a reference when ordering replacement parts for your Monosem NG Plus 3 planter.

Serial Number _____

Date _____

The WARRANTY for your NG Plus 3 planter is printed on the back cover.

While reading your manual you will see the symbol  and the words **CAUTION, WARNING, DANGER.**

Pay particular attention to the safety information given. Failure to observe the safety symbols can cause damage to the machine and/or personal injury. A detailed description of the safety symbols and their meaning is found in the safety section of this manual.

2 precautions for successful planting:

1. Choose a reasonable working speed adapted to the field conditions and desired accuracy.
2. Check proper working of the seed metering, seed placement, spacing and density when starting up and from time to time during planting.

... and don't forget – accurate planting is the key to a good stand!

QUICK REFERENCE

TWIN-ROW 3pt Mounted Planter

SAFETY	1	ROW UNIT	6
GENERAL SAFETY	1. 1	SEED DEPTH	6.1
BEFORE OPERATION	1. 1	V PRESS WHEELS	6.1
DURING & FOLOWING OPERATION	1. 2	DEPTH GAUGE WHEELS	6.2
UNHOOKING THE PLANTER	1. 2	DOUBLE DISC OPENERS	6.2
STORING THE PLANTER	1. 2	STABILIZER SPRINGS	6.2
PERFORMING MAINTENANCE	1. 3	DRIVE CHAIN	6.2
TIRE SAFETY	1. 3	SEED HOPPER	6.2
DRIVE LINE SAFETY	1. 3	SEED METERING SYSTEM	6.3
HYDRAULIC SAFETY	1. 3	EXTRA LARGE SEED	6.4
SAFETY STICKERS	1. 4	DISENGAGING THE METER BOX	6.4
		SEED TUBE	6.4
PREPARING THE PLANTER	2	METERING BOX ADJUSTMENT	6.5
LUBRICATION	2. 1	SEED DISC	6.5
CHAIN TENSION ADJUSTMENT	2. 2	SEED CHUTE	6.5
TIRE PRESSURE	2. 2	SEED DISC IDENTIFICATION	6.6
VALVE BLOCK INSPECTION	2. 2	SEED DISC RECOMMENDATIONS	6.6
TRACTOR HOOKUP	2. 3	NG PLUS 3 ASSEMBLY- PARTS	6.8
LEVELING THE PLANTER	2. 4	CLOSING WHEEL ASSEMBLY- PARTS	6.10
TRANSPORTING THE PLANTER	2. 4	GAUGE WHEEL ARM- PARTS	6.10
OPERATING SPEED	2. 4	GAUGE WHEEL ASSEMBLY- PARTS	6.11
FIELD TEST	2. 4	METERING BOX ASSEMBLY- PARTS	6.12
CHECKING SEED POPULATION	2. 5	METERING BOX TROUBLESHOOTING	6.13
UNHOOKING THE PLANTER	2. 5	UP/ DOWN PRESSURE SPRING	6.14
STORING THE PLANTER	2. 5	7.5" HILLER DISC- FLAT PRESS WHEEL	6.16
		7.5" HILLER DISC- V PRESS WHEEL	6.17
FRAME	3	OFFSET ASSEMBLY 7.5"	6.18
TWIN-ROW 4 X 2 ROW	3.1	OFFSET ASSEMBLY 9"	6.19
TWIN-ROW 6 X 2 ROW AND LARGER	3.2	7.5" V PRESS WHEEL CLOSING ASSY	6.20
7 X 7 WHEEL BLOCK	3.3	7.5" FLAT PRESS WHEEL CLOSING	6.21
		HOPPER ASSEMBLY	6.22
TRANSMISSION	4	OPTIONAL EQUIPMENT	7
PLANTING RATE CHART	4.1		
ASSEMBLY - PARTS	4.2	ATTACHMENTS	7
SEED POPULATION CHART	4.3		
DRIVE	5	ROW MARKERS	7.1
STANDARD TURBOFAN	5.1-5.3		
HIGH OUTPUT TURBOFAN	5.4-5.5	AIR INSECTICIDE -TWIN-ROW	7.2
EXTRA HIGH OUTPUT TURBOFAN	5.6-5.7		
HYDRAULIC DRIVE	5.8-5.9	MICROSEM MICROGRANULAR SYSTEM	7.4
VACUUM GAUGE SETTINGS	5.10		

SPECIFICATIONS

Three Point Mounted 7x7 Toolbar Frame – TWIN-ROW

FRAME – Three Point Mounted
 Double Rigid Toolbar:
 7"x7" Bottom Toolbar
 5"x5" Top Toolbar

PLANTING UNIT – NG Plus 3 Monosem
 Vacuum Metering Box
 Double Disc Opener
 Gauge Wheels
 Adjustable Closing Wheels

STANDARD ROW SPACING

7 ½" - 9" Spacing Between the Twin Rows	WIDTH	WEIGHT*
4 x 2 Row – 30-40" Rows -----	14'	3569 lbs.
6 x 2 Row – 30-40" Rows -----	20'	4559 lbs.
8 x 2 Row – 30-40" Rows -----	25'	5960 lbs.

*The base machine weights include planter frame, optional row markers, drive components, tires and wheels, hydraulic cylinders and NG Plus 2 row units with seed hopper and lid.

DRIVE SYSTEM

Ground Drive, 7.60 x 15" 6-Ply Tires
 Two Drive/Gauge Wheels on 4x2 &
 6x2 Row
 Four Drive/Gauge Wheels on 8x2 Row

TRANSMISSION

Two End Mounted, Quick Change Sprockets
 No. 50 Chain with Spring Loaded Idler

MARKERS

Low Profile Single and Double Fold

TURBOFAN

High Output 500 or 1000 rpm
 Extra High Output 540 rpm

OPTIONAL EQUIPMENT

Hydraulic Drive
 Electronic Seed Monitor
 Microsem Insecticide System
 Disc Hiller system, w/Flat or V Press Wheel