



## **OPERATOR'S MANUAL AND PARTS LIST SPREADER - THS50**

Spares & Support: 01793 333212

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**Before use please read & understand this manual, paying particular attention to the safety instructions.**

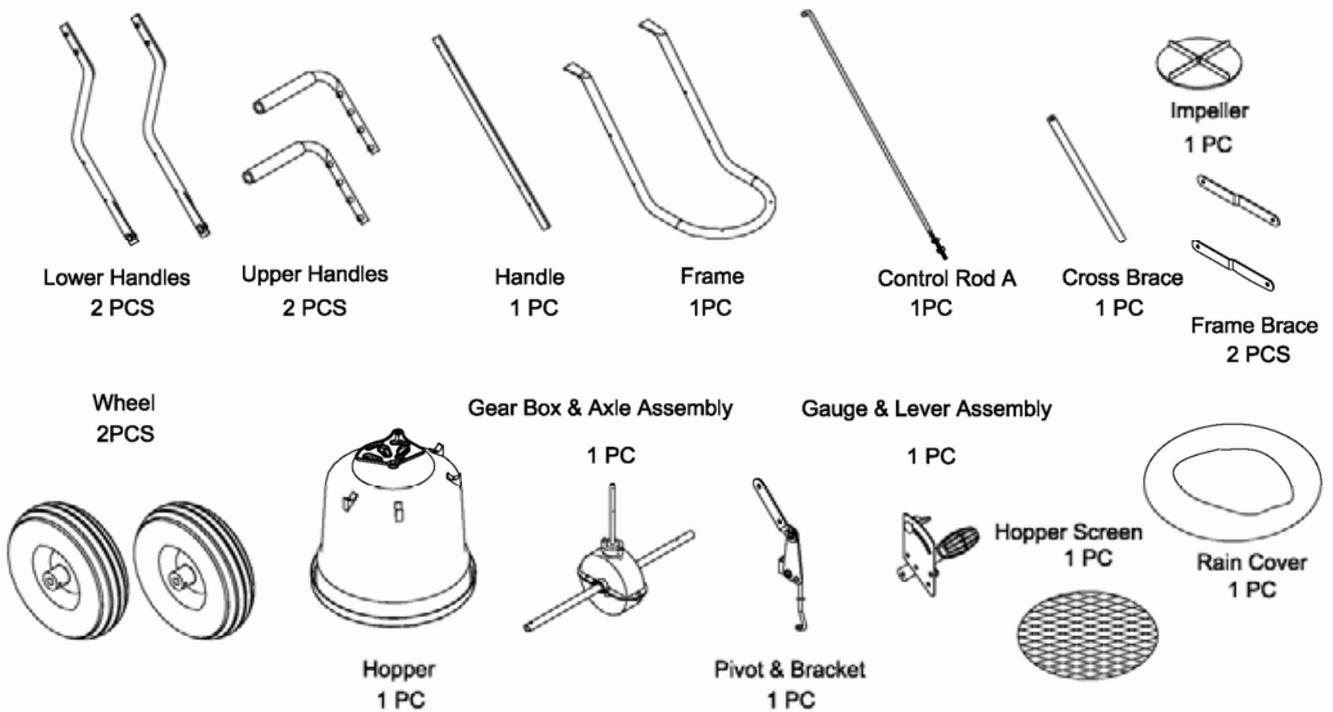
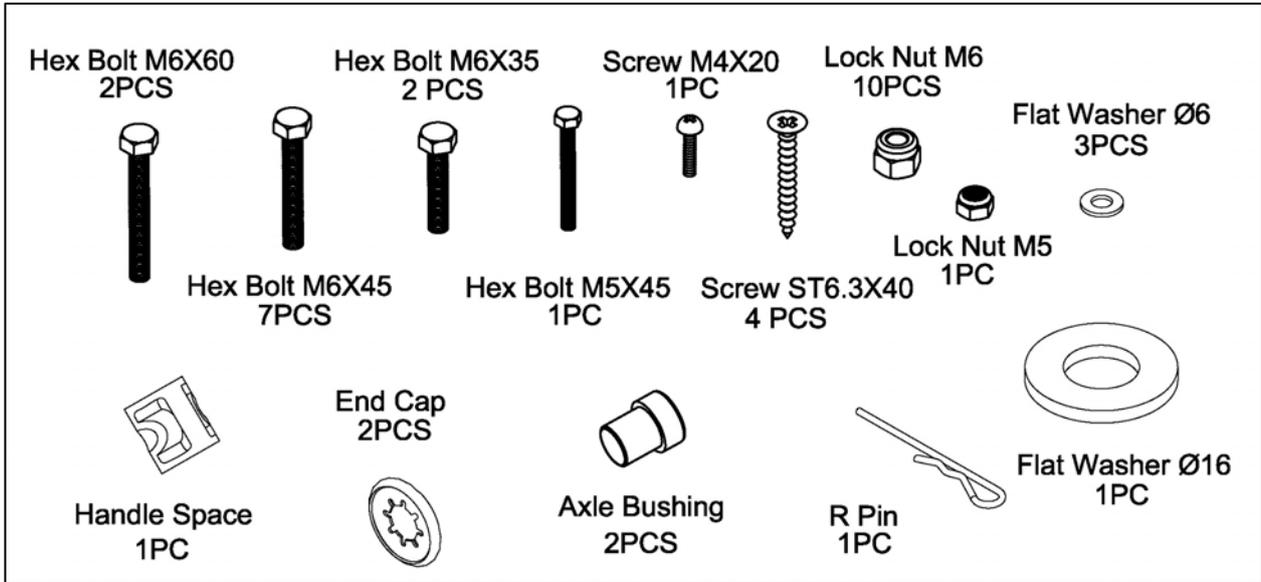
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# INTRODUCTION

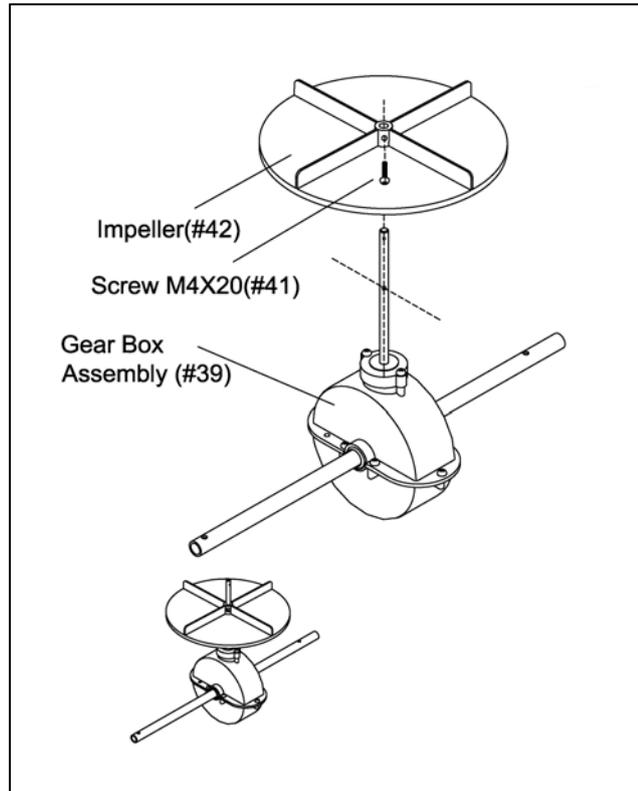
Read and understand the owner's manual before assembling the Spreader. Learn its application and limitations with particular reference to the Settings information on Page 14. Retain these instructions for future reference.

Check that all the parts listed below are included in the box.

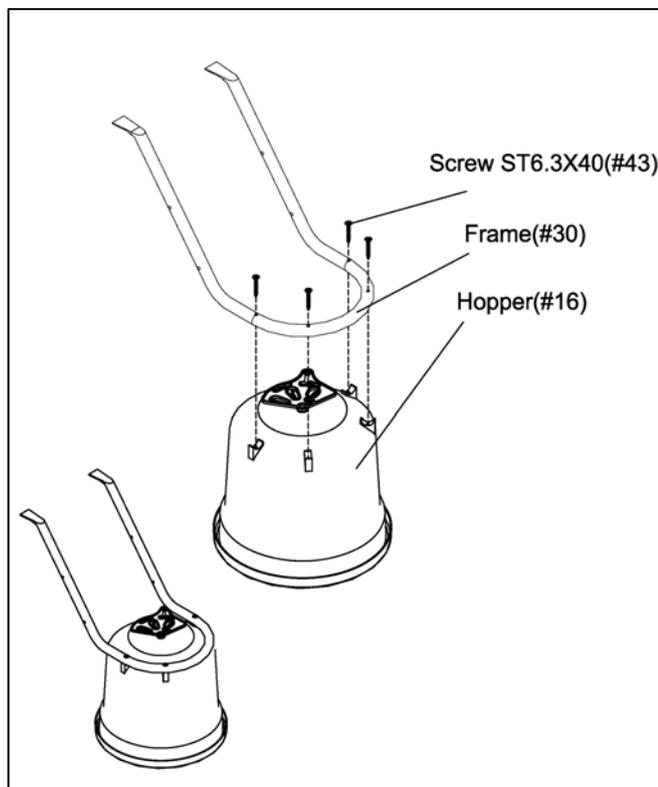


# ASSEMBLY - STEP 1

- Install the impeller onto the gearbox and axle assembly.
- Insert screw M4x20 through the impeller and the gearbox axle.
- Use the hole on the axle that is nearest the gearbox, tighten the screw.

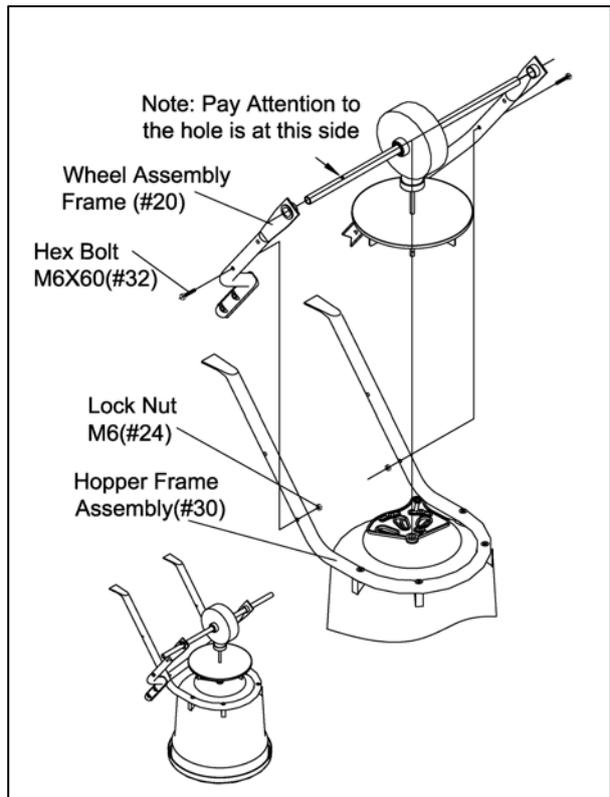


- Place hopper upside down and install frame using screw M6x40.

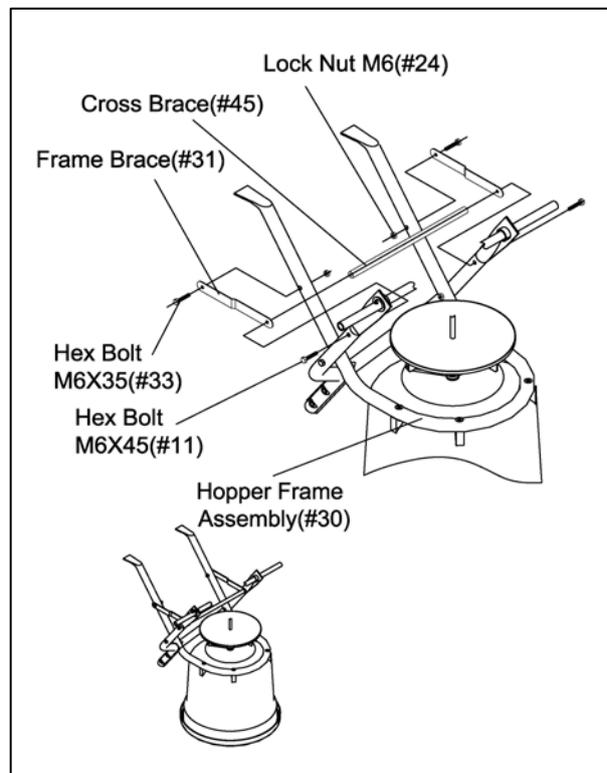


## ASSEMBLY - STEP 2

- Install the wheel assembly frame on each side of the gearbox axle.
- Take note of the position of the hole on the gearbox axle as shown in the diagram.
- Insert the hex bolt M6x50 through wheel assembly frame and the hopper frame.
- Fix together with lock nut M6.
- Do not tighten the bolts yet.

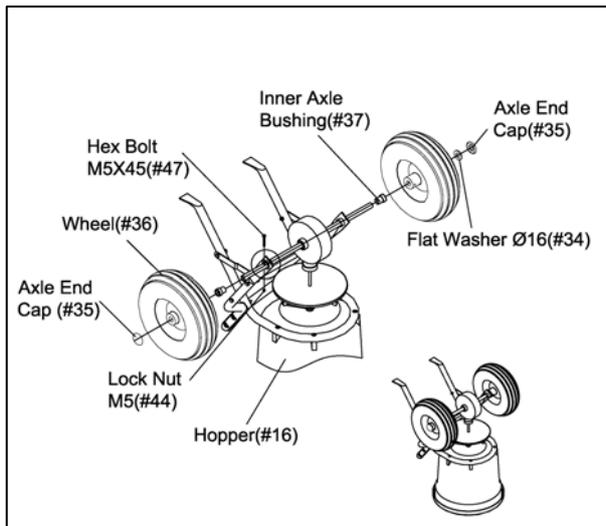


- Install the end of the frame brace onto the hopper frame using hex bolt M6x30 and lock nut M6.
- Then install the other end of the frame brace and fix using hex bolt M6x45.
- Do not tighten the nuts and bolts yet.

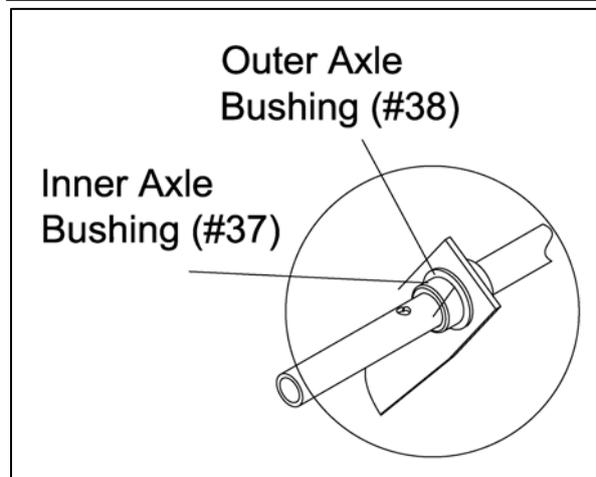


## ASSEMBLY - STEP 3

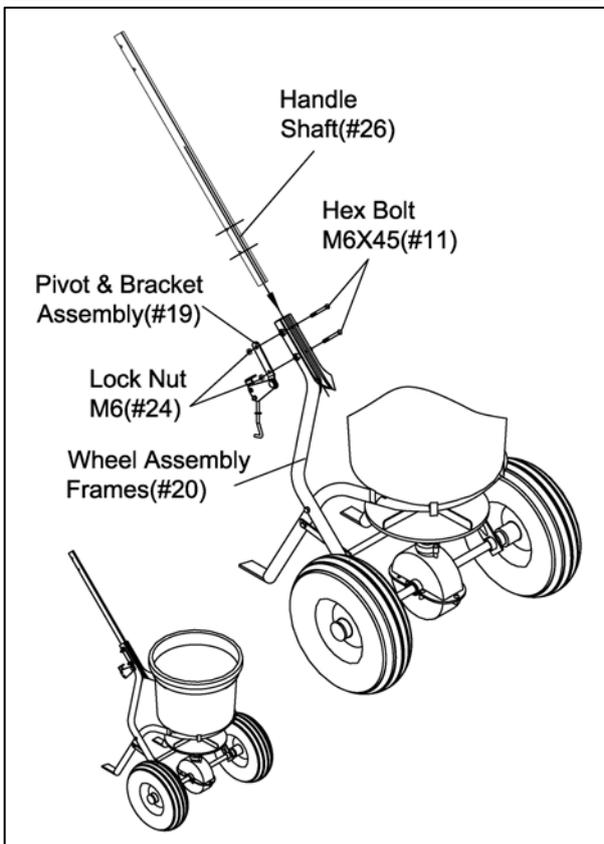
- Slide the axle bushing over the axle and into the axle bearing on both sides as shown.
- Attach wheels to the axle and fix with a hex bolt M5x45.
- Place flat washer  $\varnothing 16$  onto one end of axle as shown and then fix the end caps onto both wheels.



- Insert the axle tube into the bushing and make sure they are tight.

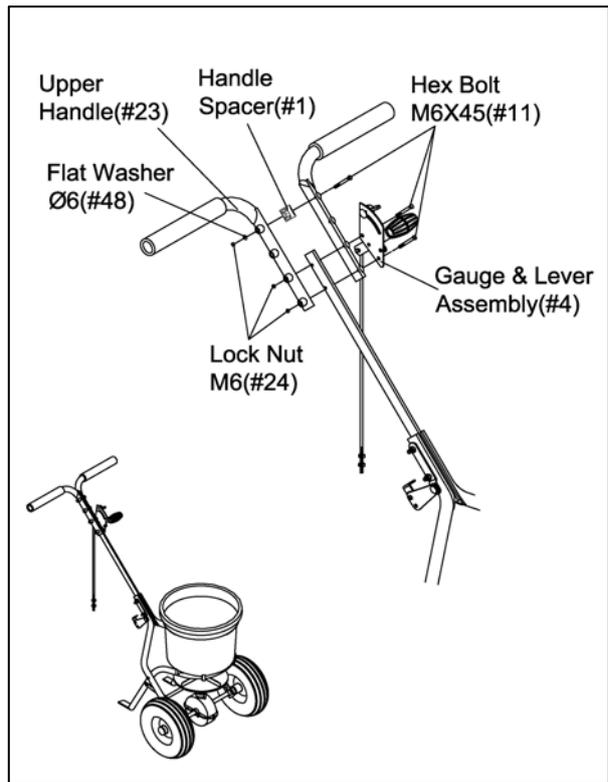


- Install the pivot and bracket assembly onto the lower handle using a hex bolt M6x45 and a lock nut M6.
- Now go back and tighten all the nuts and bolts, starting at Step 1.
- Do not over tighten.

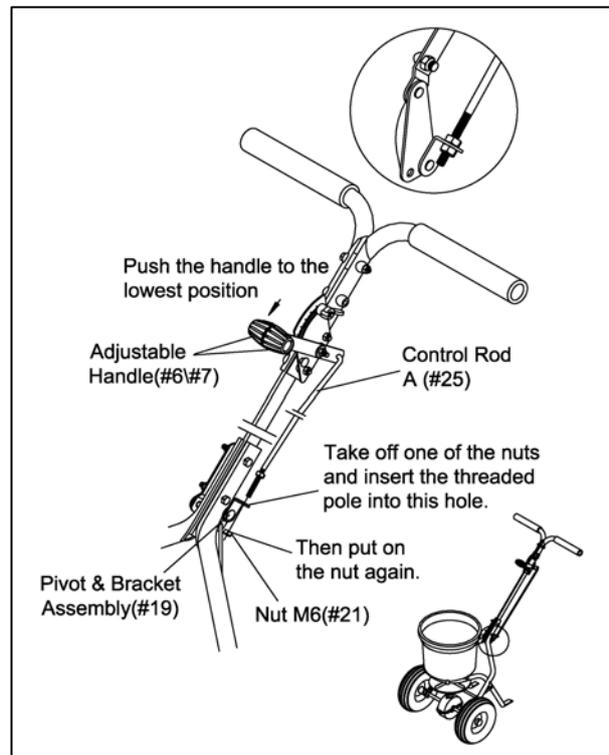


## ASSEMBLY - STEP 4

- The upper handles have three positions for the operator's comfort. The upper handle can be fitted to either of the two holes nearest the handle grip.
- To fix, insert a hex bolt through the hole, the handle spacer and the other handle.
- Fix with a lock nut M6.
- Do NOT tighten the nut yet.
- Attach the gauge to the left hand side using hex bolts M6x45 and lock nuts M6.
- Tighten the lock nuts on the gauge first, then the handle.

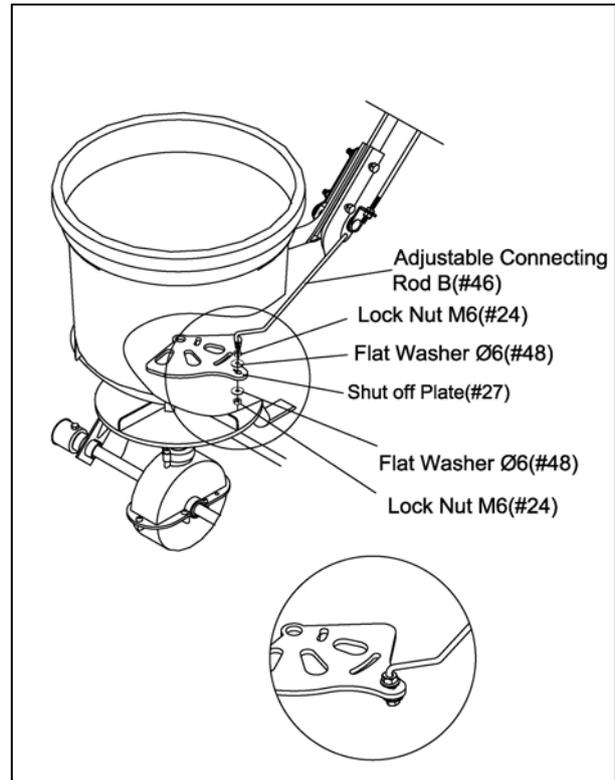


- Push the handle to lowest position.
- Take off one of the nuts on the pivot and bracket assembly and insert head of threaded pole into the hole of this part.
- Reattach the nut and tighten.

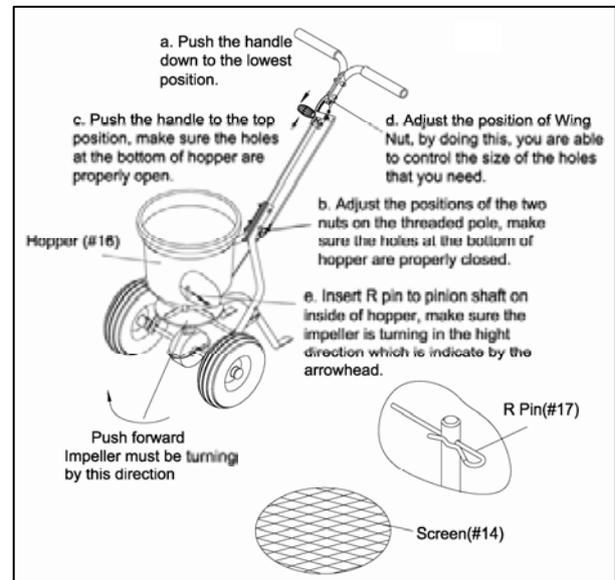


# ASSEMBLY - STEP 5

- Insert the pivot rod to the shut-off plate as shown.
- Secure with a flat washer  $\varnothing 6$  and a lock nut M6.



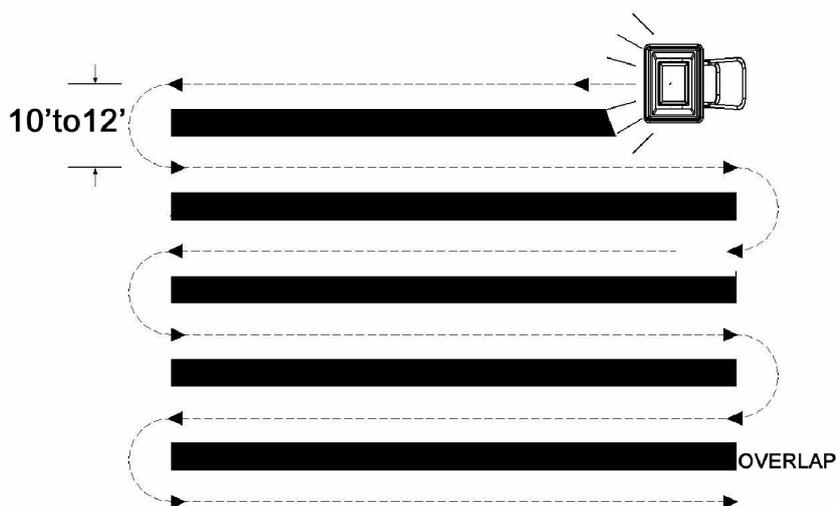
- Following the instructions on the diagram, adjust the position of the two nuts on the threaded pole.
- When the handle is in the closed position (downwards) the adjustable plate should cover the large hole at the bottom of the hopper thereby ensuring that no material can fall through.
- Insert the R Pin as shown ensuring that the impeller moves in a clockwise direction.



# OPERATION

**Before filling the hopper, familiarise yourself with the operation of the spreader.**

- Using the Rate Setting Chart on Pages 11 and 12, obtain the correct setting for the material to be used.
- Move the Stop bolt on the rate gauge to the correct setting.
- Whilst pushing the spreader forward, pull the control lever back to the Stop bolt.
- To stop, push the lever forward to close the feed gate at the bottom of the hopper.
- After use empty any remaining material from the hopper.
- Thoroughly wash the spreader and allow to dry before storing. Oiling is NOT necessary.
- Remove the agitator when using rock salt to prevent gearbox damage.
- If the spreader does not spread evenly, ensure that the FRONT of the gearbox points towards the front of the spreader. The impeller must turn clockwise. Fertiliser which is stuck on the impeller blades will cause uneven spreading.
- The spreader is designed to be pushed at 3 miles per hour - brisk walking pace. The rate of walking will affect the spread pattern and flow rate.
- The gears are permanently lubricated at the factory and do not need re-oiling. Do NOT open the gearbox as dirt may get in.



# **RATE SETTINGS**

## **Using Your Spreader**

Precision spreaders are designed to spread dry, powdered or granulated materials thinly and evenly over reasonably smooth surfaces.

- Ensure that the material is dry and free-running. If in doubt pass it through a sieve with 3mm mesh to remove lumps.
- Set rate-setting dial to No 2.
- Fill the hopper approximately three-quarters full.
- Push the spreader forward and pull the control lever back to the Stop bolt. If the spread is uneven or inadequate close the feed gate and reset the dial to a higher number.
- Always move off BEFORE opening the feed gate and close the gate BEFORE stopping.

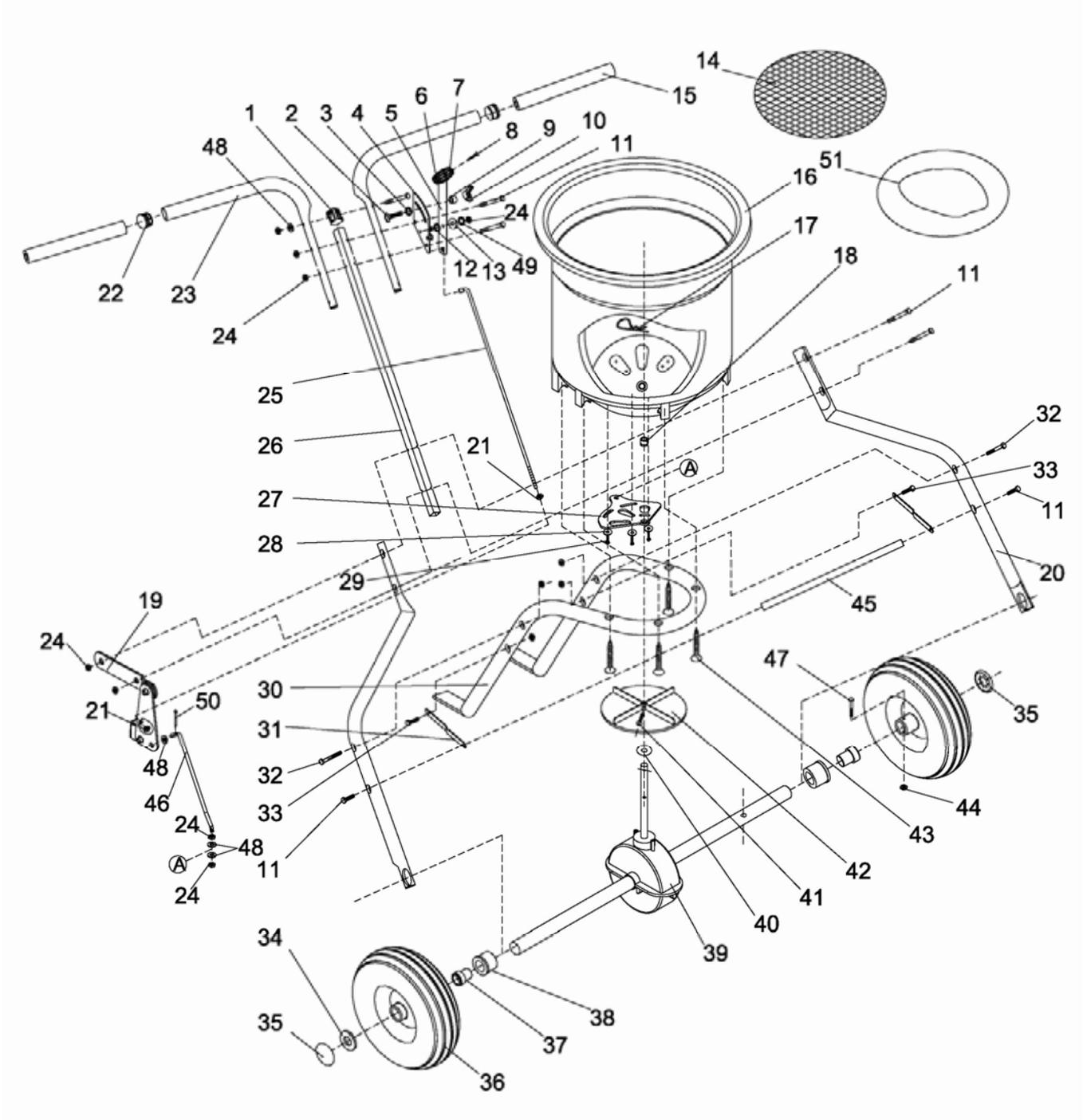
The settings charts on the following pages give suggestions only. Even branded materials may vary in grain size, humidity, density etc. If in any doubt choose a lower setting than that suggested or start at setting no. 2 and adjust as necessary until an even spread is achieved.

# SETTINGS CHART

MAKE	PRODUCT	SEASON	APPN RATE G/M <sup>2</sup>	APPN RATE OZ/YD <sup>2</sup>	GUIDE SETTING
<b>Fisons</b>	Evergreen 90		35	1	18
	Extra		35	1	16
	Lawnfood		35	1	16
	Mosskill		35	1	16
<b>Rigby Taylor</b>	Organic N	Spring	35	1	16
	Minigran	All	35	1	20
	Micro Fine	All	35	1	16
<b>J A Bowers</b>	Feed & Weed		70	2	24
	Mosskiller		70	2	24
	Lawnsand		140	4	20
	Lawnfood	Spr & Aut	70	2	28
	Lawnfood	Autumn	70	2	28
<b>Peacock</b>	Ice Melter	Winter	150	4	20
<b>PBI</b>	Toplawn	Aut & Win	60	2	20
<b>O M Scott</b>	Winterizer	Aut & Win	20	½	12
	Moss Control	Autumn	20	½	12
	Lawn Builder	Spr & Sum	20	½	12
<b>ICI Prof</b>	Sportsfield	Spr & Sum	35	1	16
	(Range)	Aut Feed	35	1	16
	Nitro Green Plus		35	1	16
	Fine Turf	Spr & Sum	35	1	16
	(Range)	Aut Feed	35	1	16
	Fine Green NK		35	1	16
	Nitro with Iron		35	1	16
	Standard	Spr & Sum	35	1	16
	(Range)	Aut Feed	35	1	16
<b>ICI Home</b>	Grasshopper	Apr-Jun, Sept	52	1.5	12
	Lawnfeed	Apr-Aug	70	2	16
	Mosskiller	Mch-Oct	70	2	16
<b>Vitax</b>	Weed & Feed	Spr & Sum	35	1	8
	Weed & Mosskill	Spr	70	2	12
	Q4 Range		35	1	8
	Key N	Spr & Sum	35	1	16

<b>MAKE</b>	<b>PRODUCT</b>	<b>SEASON</b>	<b>APPN RATE G/ M<sup>2</sup></b>	<b>APPN RATE OZ/ YD<sup>2</sup></b>	<b>GUIDE SETTING</b>
<b>Growers Range</b>	Fine X	Mch-Aug	35	1	16
	Fine X	Mch-Aug	70	2	20
	Lawnsand	Spr & Sum	35	1	12
	Lawnsand	Spr & Sum	140	4	24
	Turf Tonic	All	35	1	12
	Turf Tonic	All	70	2	16
	Weed & Feed Extra	Apr-Sept	35	1	16
	Weed & Feed Extra	Apr-Sept	70	2	12
	CF Gran 1&4	Spr & Sum	35	1	24
	CF Gran 2	Aut & Win	35	1	24
	Micro Gran 1, 3 & 4	Spr & Sum	35	2	8
	Micro Gran 2	Aut & Win	70	2	12
<b>Parker</b>	No 1	Spr & Sum	35	1	12
	No 2	Spr & Sum	35	1	12
	No 4	Aut & Win	35	1	12
	No 5	Spr & Sum	35	1	8
	No 6	Spr & Sum	35	1	8
	No 7	Aut & Win	35	1	8
<b>Various</b>	Gromore (Granules)	Spr & Sum	35	1	24

# PARTS DIAGRAM



# PARTS LIST

No	Description	Qty	No	Description	Qty
1	Handle Spacer	1	25	Control Rod A	1
2	Bolt M6x25	1	26	Handle Shaft	1
3	Washer	1	27	Shut Off Plate	1
4	Gauge & Lever Assembly	1	28	Flat Washer Ø4	3
5	Adjust Handle Pole	1	29	Screw Ø4x12	3
6	Adjust Handle A	1	30	Frame	1
7	Adjust Handle B	1	31	Frame Brace	2
8	Screw M4x18	1	32	Bolt M6x50	2
9	Handle Spacer	1	33	Bolt M6x30	2
10	Wing Nut	1	34	Flat Washer Ø16	1
11	Bolt M6x45	7	35	End Cap	2
12	Nylon Washer	1	36	Pneumatic Wheel	2
13	Flat Washer Ø6	1	37	Axle Bushing	2
14	Screen	1	38	Axle Bearing	2
15	Handle Cover	2	39	Gearbox & Axle Assembly	1
16	Hopper	1	40	Washer	1
17	R Pin Ø2	1	41	Screw Ø4x20	1
18	Hopper Bushing	1	42	Impeller	1
19	Pivot & Brack Assembly	1	43	Screw Ø6x40	4
20	Wheel Assembly Frame	2	44	Hex Lock Nut M5	1
21	Nut M6	2	45	Cross Brace	1
22	End Cover	2	46	Adjust Connect Rod	1
23	Upper Handle	2	47	Hex Bolt M5x45	1
24	Lock Nut M6	11	48	Flat Washer Ø6	1

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