

# MULTISPREAD HANDBOOK

For Model

BT1.5

The Marshall Multispread will spread all types of granulated fertilizer as well as Lime, Gypsum, Cow and Fowl Manures.

## GROUND DRIVE FEED SYSTEM

Feed of fertilizer etc., from the hopper to the spinner is driven by a vee belt which runs on the inside of the wheel hub. The jockey pulley which runs on the top side of the vee belt is used as the feed clutch. When towing the spreader at highway speeds remove the vee belt from the pulleys. NOTE: DO NOT REVERSE THE MACHINE WHILE THE VEE BELT IS ENGAGED.

## APPLICATION RATES

Application rates are altered by a combination of feed belt speed, which is controlled by the change sprockets on the left side of the machine and the hopper feed door opening. Spreading rate charts for fertilizers are included in this hand book. When spreading Lime, Gypsum, Cow and Fowl Manures some initial testing and adjustment will be necessary as the materials vary in consistency and the weight per cubic metre depending on moisture content.

## SPINNER SPEED

The recommended spinner speed for spreading all types of material is 500 to 700 RPM.

## PTO SPINNER DRIVE

Machines are geared to operate on a tractor with 540 RPM PTO (1000 RPM is optional). To operate the spinner at 700 RPM the tractor PTO should be working at approximately 430 RPM.

## B T 1.5 M U L T I S P R E A D

### MAINTENANCE

#### GREASING BEARINGS

The machine is fitted with sealed self aligning bearings, however, due to the abrasive qualities of fertilizer etc., grease must be applied at least once daily in order to force out any particles of dust. Take care not to fracture the bearing seals by forcing in too much grease at a time.

#### FEED BELT CHAINS

The feed belt roller chains should be kept well lubricated at all times, particularly before the machine is stored for any length of time. For best results use RENOLD CHAIN LUBRICANT.

#### VEE BELTS

Check for wear and tension.

#### WHEEL BEARINGS

Check regularly.

#### WHEEL NUTS

Check tension before using the machine and at regular intervals.

#### CLEANING AND STORAGE

After using the spreader all fertilizer etc., should be removed from the hopper and spinner areas - then wash down with water (high pressure if available), DO NOT USE OIL OR DIESEL. Store the machine under cover and in a dry place - do not allow direct sunlight on the feed belt.

M U L T I S P R E A D

MODEL BT1.5 - TYRE SIZES; 900x13, 9.5Lx14, 11Lx15  
( for 7/88 production )

SUPERPHOSPHATE RATES: Kilograms per Hectare \*

NOTE: These figures are only a guide as fertilizers will vary in consistency and cubic weight. Variables such as wind strength and the speed at which the machine is operated at will need to be considered.

Sprocket Settings	Door Opening	WIDTH OF PASS (distance from your previous pass)			
		14 metre 46 feet	16 metre 52 feet	18 metre 59 feet	20 metre 65 feet
17 tooth  to  48 tooth	20 mm	60	50	45	40
	25 mm	80	65	60	55
	30 mm	100	85	80	70
	35 mm	120	105	95	85
	40 mm	150	130	115	100
	45 mm	166	145	130	120
	50 mm	190	165	145	135
	55 mm	210	180	160	150
	60 mm	230	200	175	165
65 mm	250	215	190	180	
70 mm	270	230	205	195	
26 tooth  to  38 tooth	40 mm	290	260	230	205
	45 mm	335	290	260	235
	50 mm	370	315	285	255
	55 mm	410	345	315	280
	60 mm	445	375	345	305
	65 mm	480	405	370	330
70 mm	515	435	400	355	

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 MODEL BT1.5 - TYRE SIZES; 900x13, 9.5Lx14, 11Lx15  
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SUPERPHOSPHATE RATES (Cont'd)

	45 mm	500	440	395	355
	50 mm	560	495	435	400
	55 mm	600	535	475	425
	60 mm	670	600	520	475
34 tooth	65 mm	700	630	550	500
	70 mm	800	700	630	550
to	75 mm	870	760	670	600
	80 mm	950	830	740	660
34 tooth	85 mm	1030	890	790	710
	90 mm	1070	950	840	750
	95 mm	1140	990	880	790
	100 mm	1200	1140	930	830

\* to convert to lbs/acre deduct 10%

M U L T I S P R E A D

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 ( for 7/88 production )

UREA (and similar fertilizers) RATES: Kilogram per Hectare \*

NOTE: These figures are only a guide as fertilizers will vary in consistency and cubic weight. Variables such as wind strength and the speed at which the machine is operated at will need to be considered.

Sprocket Settings	Door Opening	WIDTH OF PASS: (distance from your previous pass)			
		10 metre 33 feet	12 metre 39 feet	14 metre 46 feet	16 metre 52 feet
		17 tooth	15 mm	30	25
	20 mm	55	45	40	35
	25 mm	70	60	50	45
	30 mm	100	80	70	65
	35 mm	115	95	80	70
to	40 mm	135	115	100	85
	45 mm	150	125	110	95
48 tooth	50 mm	175	145	125	105
	55 mm	190	160	135	115
	60 mm	200	175	145	125
	65 mm	215	190	155	135
	70 mm	230	200	165	145
26 tooth	40 mm	275	240	200	175
	45 mm	310	260	<del>220</del>	195
	50 mm	340	285	240	215
to	55 mm	375	315	265	235
	60 mm	410	345	290	255
38 tooth	65 mm	440	370	315	275
	70 mm	475	400	340	295

\* to convert to lbs/Acre deduct 10%

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A GUIDE TO SPREADING RATES FOR LIME, GYPSUM AND MANURES

Due to the great variation of weight per cubic metre as well as moisture content the chart below is intended as a guide only.

Rate adjustments are made by the following...

1. Changing the drive sprocket settings.
2. Adjusting the feed door opening.
3. Varying the width of pass. (The closer the pass the heavier the application)

Sprocket Settings	Feed Door Opening	Kilograms per Hectare	Width of Pass
17 to 48 tooth	50 mm to 100 mm	100 to 1000	4 metres to 8 metres
26 to 38 tooth	100 mm to 200 mm	1000 to 2000	4 metres to 8 metres
34 to 34 tooth	100 mm to 200 mm	2000 to 4000	4 metres to 8 metres