

2017



**Rodney  
Industries**

A Division of Vinidex Pty Limited



# IRRIGATION BOOMS



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# THE BOOM FACTOR

***For superior performance in a convenient package, choose a Briggs Irrigation Booms***

Efficient, tough, reliable and surprisingly versatile, the modern Briggs range has been tried and tested by farmers, growers and groundsmen around the world.

All Briggs booms are manufactured in the UK to the same high standards and can be operated with almost any make and size hosereel. Making them the perfect partner for our range of Marani Hard Hose Irrigators.

Briggs booms are based either on a four-wheel chassis or on a three-wheel chassis which allows the whole boom to be transported on the hosereel. (Hosereel mounted).

The linear booms available through the Briggs range start from 18 metres right through to 90 metres. Despite their size, even the largest boom in the range can be extended to its full width by one person in just a few minutes, or packed for transport equally as quick.

The advantages of using boom irrigators are well document. Compared with rainguns the improvement in uniformity and the fact that the soil seems to absorb the smaller droplets more easily means that less water is used.

“It is the simplicity and performance. It's just a great Boom.”

## NELSON'S R3000 ROTATOR® PIVOT SPRINKLER

The R3000 Rotator® is the world's premier pivot sprinkler. It operates with a proven, patented drive principle and simplicity of design with only one moving part. You can expect the highest levels of reliability and long wear life under tough field conditions.

The R3000 greatly improves uniformity because of the increased overlap from adjacent sprinklers.





# WHY BRIGGS BOOMS?



## UNIFORMITY

- Closely spaced nozzles plus low trajectory equals 90% uniformity, (even in quite windy conditions)
- Benefits include savings in water and more even crop growth.

## SOIL BENEFITS

- Controlling droplet size reduces risk of soil capping or 'slumping', compared with a raingun.

## REDUCED DROPLET SIZE

- Nelson pressure regulated sprayjets allow the optimum droplet size to be selected for each type of crop. For example, small droplets for leafy salads or larger droplets for root crops.

## LESS ENERGY NEEDED

- Booms operate at pressures ranging from just half that recommended for rainguns (2 - 3.5 bar compared to 4.5 - 5.0 bar). So less pressure is needed all the way back to the pump, reducing input power costs.

# THE OPTIONS

## OFFSET FEED



Keeps the hose reel pipe in the wheeling, making setting up easier and reducing damage to the crop

## HIGH LIFT KIT



Essential for tall crops such as maize. Hydraulic lift systems are available in two versions. The first is a 'low lift' model that allows the operator to open the boom at a lower, more manageable height and then hydraulically lift the boom by 600 millimetres to give greater crop clearance of 1.9m.

The second 'high lift' system has three lift heights – 1.9m, 2.4m and 3.1m. This is essential for tall crops such as maize.

## FRONT STABILIZER LEG MOUNT FOR HARD HOSE



Front legs are added when more stability is required. They also are used when runs are heavy or for long runs.

# R3000 FEATURES AND BENEFITS

## GREATER THROW RADIUS.

The R3000 Rotator® features the greatest throw distance available on drop tubes. As a rotating type sprinkler the R3000 produces a wider pattern resulting in a lower application rate, reduced runoff and longer soak time.

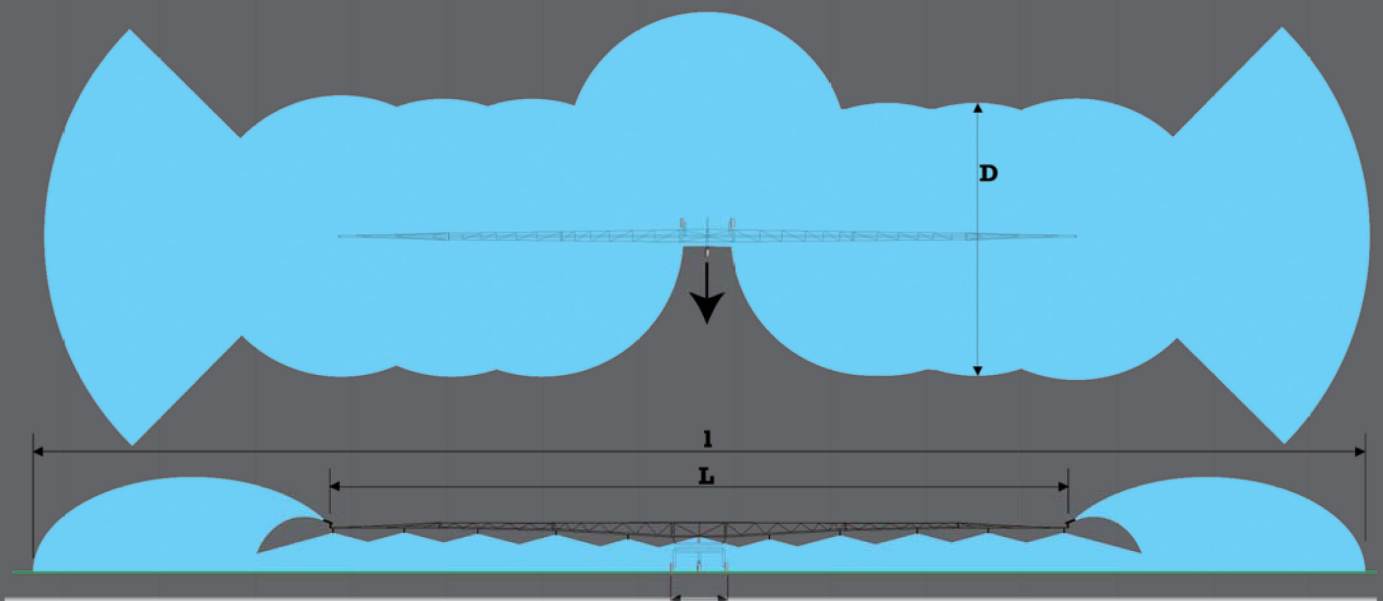
## REDUCED WIND DRIFT AND EVAPORATIVE LOSS.

The R3000 more than meets the challenge of putting a rotating type sprinkler on drop tubes— down out of the wind — to minimize wind drift and evaporative loss.



# SPECIFICATIONS

	R18	R24	R30	R40	R46	R50/2	R57/2	R60/2	R64/2	R76
Boom length (L)	18m	<b>24m</b>	29m	40m	46m	50m	57m	60m	64m	76m
Lane spacing (l) with no end nozzle	22m	28m	34m	44m	50m	54m	60m	68m	68m	80m
Lane spacing (l) with end nozzle PCS or PCR3000	26m	30m	38m	48m	54m	58m	64m	68m	72m	84m
Lane spacing (l) with end nozzle R55A	38m	44m	50m	60m	66m	70m	77m	80m	84m	96m
Lane spacing (l) with end nozzle K1 or Luxor	44m	50m	54m	N/A	N/A	75m	82m	85m	90m	N/A
Band width (D) (Nelson S3000/R3000)	12 - 15m	12 - 15m	12 - 15m	12 - 15m	12 - 15m	12 - 15m	12 - 15m	12 - 15m	12 - 15m	12 - 15m
Flow - m <sup>3</sup> /hr	14 - 30	14 - 44	14 - 50	20 - 50	25 - 60	22 - 72	22 - 72	22 - 82	22 - 82	22 - 82
Operating pressure with PCS, PCR or Nelson R55A	1-2.5 bar 15-37 psi	1-2.5 bar 15-37 psi	1-2.5 bar 15-37 psi	1-2.5 bar 15-37 psi	1-2 bar 15-30 psi	1-2 bar 15-30 psi	1-2 bar 15-30 psi	1-2 bar 15-30 psi	1-2 bar 15-30 psi	1-2 bar 15-30 psi
Operating pressure with Jumbo, K1 or Luxor	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi	3-4 bar 45-60 psi
Quantity of outlets	9	11	13	17	18	18	20	22	22	26
Folded length - mtr	5m	5m	5m	5.5m	6m	7.4m	7.4m	7.4m	7.4m	7.4m
Folded width with 1.5m centre section - mtr	2.4m	3m	3m	n/a	4.15 - 4.45m	3.5m	3.65m	3.65m	3.65m	3.9m
Folded width with 1.9m centre section - mtr	2.8m	3.4m	3.4m	3.1m	3.5 - 3.8m	3.8m	3.8m	3.8m	3.8m	3.8m
Folded width with 2.2m centre section - m (ft)	3.1m	3.7m	3.7m	3.4m	2.9 - 3.2m	1.5 - 2.2m	1.5 - 2.2m	1.5 - 2.2m	1.5 - 2.2m	1.5 - 2.2m
Track width (T) - mtr standard chassis / offset	1.5 - 4.2m / 1.5 - 2.4m				1.5 - 4.2m	1.5m	1.5m	1.5m	1.5m	1.5 - 2.1m
Height to nozzle - m (ft)	1.5m - **2.28m for high crop version in high position			1.5m	1.5 - 2.2m	2.93m	2.93m	2.93m	2.93m	3.6m
Height to top of structure - m (ft)	2.12m - **2.9m for high crop version in high position			2.37m	1.5m	4.6m	4.6m	4.6m	4.6m	4.6m
Weight with standard chassis	400 kg	450 kg	460 kg	620kg	605 / 655kg	*1660 kg	*1860 kg	*1865kg	*1870kg	*2050kg



Please note weights and dimensions are to be used as a guide only.  
Contact Rodney Industries or your local distributor for more detailed specifications.