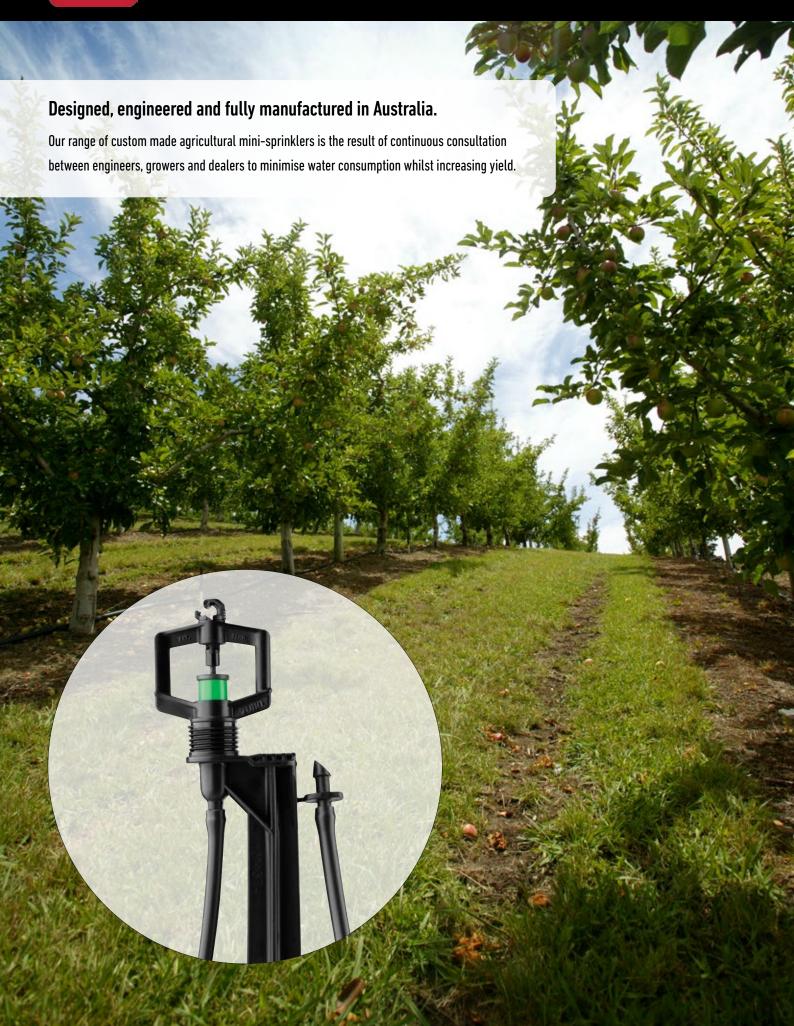


# TORO. THE WATERBIRD® - AUSTRALIA'S OWN



### Waterbird® Classic

### **Features**

- Engineered to provide improved water application for under tree and
- Aerofoil shaped frame minimises dry spots
- Snap Fit bearing provides easy field disassembly
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- Improved distribution characteristics with large droplet size being less susceptible to wind effects
- Low angle of throw for maximising under foliage penetration
- Proven robust frame design for superior strength and long field life
- Available with snap-off deflector for irrigating young trees
- Eight colour coded flow rates from 36 L/h to 304 L/h
- Maximum diameter of throw in excess of 10 m
- Fully assembled models available with pre-installed tube and stake

### **Specifications** Application

• Inlet: 10 mm MBSP/NPT

• Recommended Pressure Range: 100 - 200 kPa

• Materials: Frame, bearing and nozzle: Acetal Spinner: Nylon









1.05

OVERHEAD FROST PROTECTOR

# • Compensating Pressure Range: 150 - 350 kPa

• Materials: Frame, bearing and nozzle: Acetal Spinner: Nylon

Waterbird® PC

improved performance

undulating terrain

**Specifications** 

• Inlet: 10 mm MBSP/NPT





· Unique patented pressure compensating diaphragm assembly for

Anti-insect/dust proof spinner retracts to protect nozzle when not in

• A two stage spinner provides two diameters of throw. The smallest

• Fully assembled models available with pre-installed tube and stake

diameter is for younger trees, and the deflector is simply removed for

• Pressure compensating mechanism provides uniform flow on

Aerofoil shaped frame improves sprinkler distribution pattern

Large droplet size is less susceptible to wind effects

• Eight colour coded flow rates from 37 L/h to 152 L/h

• Available in both standard and deflector tab spinners

• Low angle of throw maximises under foliage penetration

• Snap Fit bearing for easy infield maintenance

### PERFORMANCE CHART Diam Deflector TAB Jet Colour Orifice Diam. with LTD Diam. Std Stream ressure (kPa) Flow (L/h) Height\* (m) Plate (m) (m) (m) 30 100 4.9 0.56 Black 150 5.5 4.0 1.0 1.4 36 0.62 1.00 mn 200 5.8 41 0.65 100 0.56 6.1 44 150 6.9 4.6 1.4 1.4 55 0.62 1.05 m 200 7.3 64 0.65 100 0.57 6.8 62 7.8 5.1 1.5 1.4 0.71 150 76 1.25 mm 200 8.3 89 0.90 100 7.3 81 0.60 Green 150 9.2 1.4 99 0.83 5.3 1.6 1.40 mn 115 200 10.3 0.90 100 8 4 108 0.60 1.7 134 0.80 150 9.4 6.0 1.65 mn 200 10.5 156 0.92 100 8.5 125 0.60 Grev 150 9.4 2.7 1.7 155 0.77 200 10.8 178 0.90 100 8.3 156 0.65 Yellow 150 9.4 N/R 2.5 1.8 192 0.75 2.0 mm 200 10.3 221 0.85 100 8.8 214 0.74 150 10.2 N/R 2.5 1.8 265 0.97

Shaded portions indicate recommended operating pressures. Diameters based on spinner at 250 mm above ground level. \* Measured from spinner outlet

200 10.3

### PERFORMANCE CHART Stream Height\* (m) Pressure Flow (L/h) Jet Colour Std Spinner (m) 150 5.5 35 200 5.5 0.6 36 250 5.5 0.6 0.39 37 300 5.5 0.6 37 350 5.5 37 150 5.5 45 200 48 6.0 1.0 250 6.0 1.0 0.36 48 300 6.0 1.0 47 350 47 6.0 150 6.5 54 200 57 6.5 1.4 250 6.5 1.4 57 0.43 300 7.0 1.4 58 350 7.0 59 150 7.0 74 200 7.5 76 250 8.0 77 0.33 1.6 300 7.5 1.6 76 350 7.5 75 150 8.0 96 200 8.0 97 250 8.0 1.8 97 0.50 300 8.5 2.0 98 350 8.5 98 150 8.4 120 200 8 4 2 1 116 250 0.35 7.6 2.1 116 300 7.8 2.1 116 350 7.8 116 150 9.0 135 200 9.0 135 0.50 250 9.0 2.7 134 300 9.0 2.7 133 350 8.5 134 150 9.0 151 200 9.5 27 151 Grey 250 9.0 2.7 0.39 152 300 9.0 2.7 150 350 149 9.0

Shaded portions indicate recommended operating pressures. Diameters based on spinner at 250 mm above ground level.

### Waterbird® PC Olive



- Designed specifically to meet the needs of olive growers
- · Self cleaning, pressure compensating mechanism provides uniform
- Anti-insect/dust proof spinner retracts to protect nozzle when not in
- · A two stage spinner provides two diameters of throw. The smallest
- and reduces the chance of mechanical damage
- Aerofoil shaped frame improves distribution

• Inlet: 10 mm MBSP/NPT

Pressure (kPa)

150

200

250

300

350

150

200

250

300

350

150

200

250

300

350

150

200

250

300

350

150

200

250

300

350

150

200

250

300

350

150

200

250

300

350

150

200

250

300

350

Jet Colou

Light Blue

White

Maroon

Green

Purple

Blue

- Proven robust frame design for superior strength and long field life
- · Advanced wedge design spinner ensures excellent start-up
- Supplied with a deflector tab on the spinner to reduce diameter of

### · Limited Throw Deflector (LTD) models available

**Specifications** 

less wind effect



• Inlet: 10 mm MBSP/NPT

tube and 5 mm Adaptor

harvest and spraying

Waterbird® Trellis

• Recommended Pressure Range: 100 - 200 kPa

• Developed to meet the unique needs of nut tree growers

• Trellis hook allows for easy suspension from poly tubing with

Low angle of throw for maximising under foliage penetration

Robust aerofoil shaped frame for improved distribution and long

• More efficient water application – larger droplets, low angle and

• Fully assembled model available with pre-installed 5 mm x 0.6 m

Snap lock bearing prevents nozzle dislodging by machinery during

• Anti-insect/dust proof spinner retracts to protect nozzle when not in

Materials: Frame, bearing and nozzle: Acetal

Spinner: Nylon

• Trellis Hook: suits cable ties to 5 mm width



FROST PROTECTOR

Flow (L/h)

35

36

37

37

37

45

48

48

47

47

54

57

57

58

59

74

76

77

76

75

96

97

97

98

98

120

116

116

116

116

135

135

134

133

134

151

151

152

150

149

Stream Height\* (m)

0.39

0.36

0.43

0.33

0.50

0.35

0.50

0.39

PERFORMANCE CHART						
Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Diam Deflector LTD Spinner (m)	Diam Deflector TAB Spinner (m)	Flow (L/h)	Stream Height* (m)
White 1.05 mm	100	6.1			43	0.56
	150	6.9	4.6	1.0	53	0.62
	200	7.3			61	0.65
Maroon 1.25 mm	100	6.8			60	0.57
	150	7.8	5.1	1.5	74	0.71
	200	8.3			85	0.90
Green 1.40 mm	100	7.3			75	0.60
	150	9.2	5.3	1.7	92	0.83
	200	10.3			106	0.90

Shaded portions indicate recommended operating pressures. Diameters based on spinner at 250 mm above ground level.

\* Measured from spinner outlet.

- flow for undulating terrain
- diameter is for younger trees, and the deflector is simply removed for
- Highly visible UV stabilised red stake provides easy identification

• Compensating Pressure Range: 150 – 350 kPa

• Materials: Frame, bearing and nozzle: Acetal

Std Spinner (m)

5.5

5.5

5.5

5.5

5.5

5.5

6.0

6.0

6.0

6.0

6.5

6.5

6.5

7.0

7.0

7.0

7.5

8.0

7.5

7.5

8.0

8.0

8.0

8.5

8.5

8.4

8 4

7.6

7.8

7.8

9.0

9.0

9.0

9.0

8.5

9.0

9.5

9.0

9.0

9.0

Spinner: Nylon

- reliability and low maintenance

PERFORMANCE CHART

Deflector

TAB Spinne

(m)

0.6

0.6

0.6

1.0

1.0

1.0

1.4

1.4

1.4

1.6

1.6

1.8

2.0

2 1

2.1

2.1

2.7

2.7

27

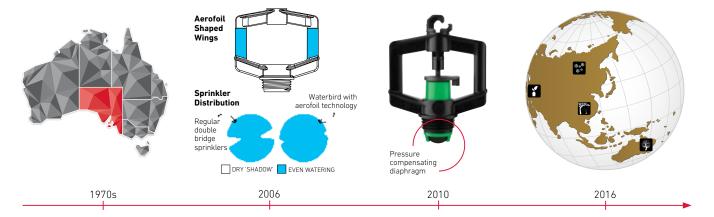
2.7

2.7

Application **Specifications** 

### Shaded portions indicate recommended operating pressures. Diameters based on spinner at 250 mm above ground level.

## The Waterbird® Story



The Waterbird range was developed in South Australia over 40 years ago as a replacement for overhead sprinklers.

Toro launched aerofoil technology, revolutionising the Waterbird sprinkler design to minimise dry spots and improve the distribution pattern.

Toro's patented pressure compensating diaphragm assembly is released providing greater stream control, improved uniformity over wide operating pressures and increased radius.

Today, our range continues to evolve to meet the changing needs of growers in Australia and over 50 countries worldwide.

# Accessories, sprinkler stakes and risers

