

**TORO**

**THE WATERBIRD®**



## Designed, engineered and fully manufactured in Australia.

Our range of custom made agricultural mini-sprinklers is the result of continuous consultation between engineers, growers and dealers to minimise water consumption whilst increasing yield.

### Applications:



ORCHARD



NURSERY



OVERHEAD FROST PROTECTOR



VINEYARDS



VEGETABLES



UNDER TREE IRRIGATION

### Available in:

**STANDARD SPINNER**

**DEFLECTOR TAB SPINNER**

Available from Parkland Products

**parkland**

0800 807 555 | [parkland.co.nz](http://parkland.co.nz)

# Waterbird Classic Non PC – (Previously VI)

## STANDARD SPINNER

### Features

- Engineered to provide improved water application for under tree and vine installations
- 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 (reduces diameter to 30% of stated performance)
- Eight colour coded flow rates from 29 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

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 100 – 200 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Flow: 29-304 l/h
- Radius: 2.75-5.1m



### Application



ORCHARD



NURSERY



OVERHEAD  
FROST  
PROTECTOR



VINEYARDS

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Flow (l/h)	Stream Height (m)
Black 1.00 mm	100	4.9	29	0.56
	150	5.5	36	0.62
	200	5.8	41	0.65
White 1.05 mm	100	6.1	44	0.56
	150	6.9	55	0.62
	200	7.3	64	0.65
Maroon 1.25 mm	100	6.8	61	0.57
	150	7.8	76	0.71
	200	8.3	89	0.90
Green 1.40 mm	100	7.3	80	0.60
	150	9.2	99	0.83
	200	10.3	115	0.90
Blue 1.65 mm	100	8.4	108	0.60
	150	9.4	134	0.80
	200	10.5	156	0.92
Grey 1.80 mm	100	8.5	125	0.60
	150	9.4	155	0.77
	200	10.5	179	0.90
Yellow 2.00 mm	100	8.5	156	0.65
	150	9.4	192	0.78
	200	10.3	221	0.85
Red 2.30 mm	100	8.8	214	0.74
	150	10.2	265	0.97
	200	10.3	304	1.05

### Ordering Information

1014271	Waterbird VI Classic Non PC No Tab Black Nozzle 36l/h 2.75m Radius
1014272	Waterbird VI Classic Non PC No Tab White Nozzle 55l/h 3.45m Radius
1014273	Waterbird VI Classic Non PC No Tab Maroon Nozzle 76l/h 3.90m Radius
1014274	Waterbird VI Classic Non PC No Tab Green Nozzle 99l/h 4.6m Radius
1014275	Waterbird VI Classic Non PC No Tab Blue Nozzle 134l/h 4.7m Radius
1014276	Waterbird VI Classic Non PC No Tab Grey Nozzle 155l/h 4.7m Radius
1014277	Waterbird VI Classic Non PC No Tab Yellow Nozzle 192l/h 4.7m Radius
1014278	Waterbird VI Classic Non PC No Tab Red Nozzle 265l/h 5.1m Radius

# Waterbird Classic Non PC – (Previously VI)

## DEFLECTOR TAB SPINNER

### Features

- Engineered to provide improved water application for under tree and vine installations
- 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
- Six colour coded flow rates from 29 l/h to 179 l/h
- Fully assembled models available with pre-installed tube and stake

### Specifications

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 100 – 200 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Flow: 29-179 l/h
- Radius: 0.5-0.6m



### Application



ORCHARD



NURSERY



OVERHEAD  
FROST  
PROTECTOR



VINEYARDS

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Deflector TAB Spinner (m)	Flow (l/h)	Stream Height (m)
Black 1.00 mm	100	1.0	29	0.56
	150		36	0.62
	200		41	0.65
White 1.05 mm	100	1.0	44	0.56
	150		55	0.62
	200		64	0.65
Maroon 1.25 mm	100	1.0	61	0.57
	150		76	0.71
	200		89	0.90
Green 1.40 mm	100	1.2	80	0.60
	150		99	0.83
	200		115	0.90
Blue 1.65 mm	100	1.2	108	0.60
	150		134	0.80
	200		156	0.92
Grey 1.80 mm	100	1.2	125	0.60
	150		155	0.77
	200		179	0.90

### Ordering Information

1014281	Waterbird VI Classic Non PC with Tab Black Nozzle 36L/h 0.5m Radius
1014282	Waterbird VI Classic Non PC with Tab White Nozzle 55L/h 0.5m Radius
1014283	Waterbird VI Classic Non PC with Tab Maroon Nozzle 76L/h 0.5m Radius
1014284	Waterbird VI Classic Non PC with Tab Green Nozzle 99L/h 0.6m Radius
1014285	Waterbird VI Classic Non PC with Tab Blue Nozzle 134L/h 0.6m Radius
1014286	Waterbird VI Classic Non PC with Tab Grey Nozzle 155L/h 0.6m Radius

# Waterbird PC Olive Short Radius – (Previously VI PC)

## STANDARD SPINNER

### Features

- Designed specifically to meet the needs of olive growers
- Self-cleaning, pressure compensating mechanism provides uniform flow for undulating terrain
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- A two-stage spinner provides two diameters of throw. The smallest diameter is for younger trees, and the deflector is simply removed for developed trees
- Aerofoil shaped frame improves distribution
- Proven robust frame design for superior strength and long field life
- Advanced wedge design spinner ensures excellent start-up reliability and low maintenance
- Six colour coded flow rates from 28 l/h to 90 l/h
- Fully assembled models available with pre-installed tube and stake



### Specifications

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 150 – 350 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Flow: 27-90 l/h
- Radius: 2.0-3.4m

### Application



ORCHARD



NURSERY



OVERHEAD  
FROST  
PROTECTOR



UNDER TREE  
IRRIGATION

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Flow (l/h)	Stream Height (m)
Purple 0.9 mm	100	4.2	28	0.11
	200	4.0	29	
	250	4.0	27	
	300	4.0	27	
	350	4.0	28	
Brown 1.06 mm	100	4.5	36	0.13
	200	4.5	37	
	250	4.5	36	
	300	4.5	36	
	350	4.5	36	
Light Blue 1.25 mm	100	4.5	47	0.13
	200	4.5	47	
	250	4.5	47	
	300	4.5	48	
	350	4.5	48	
Light Green 1.33 mm	100	5.0	55	0.15
	200	5.0	56	
	250	5.0	56	
	300	5.0	57	
	350	5.0	56	
Orange 1.46 mm	100	6.0	68	0.15
	200	6.0	70	
	250	6.0	68	
	300	6.0	68	
	350	6.0	69	
Grey 1.46 mm	100	6.8	86	0.24
	200	6.8	88	
	250	6.8	88	
	300	6.8	89	
	350	6.8	90	

### Ordering Information

1014757	Waterbird VI PC SR No Tab Purple Nozzle 27l/h 2.0m Radius
1014758	Waterbird VI PC SR No Tab Brown Nozzle 36l/h 2.25m Radius
1014759	Waterbird VI PC SR No Tab Light Blue Nozzle 47l/h 2.25m Radius
1014760	Waterbird VI PC SR No Tab Light Green Nozzle 55l/h 2.5m Radius
1014761	Waterbird VI PC SR No Tab Orange Nozzle 70l/h 3m Radius
1014762	Waterbird VI PC SR No Tab Grey Nozzle 90l/h 3.4m Radius

# Waterbird PC Olive Short Radius – (Previously VI PC)

## DEFLECTOR TAB SPINNER

### Features

- Designed specifically to meet the needs of olive growers
- Self-cleaning, pressure compensating mechanism provides uniform flow for undulating terrain
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- A two-stage spinner provides two diameters of throw. The smallest diameter is for younger trees, and the deflector is simply removed for developed trees
- Aerofoil shaped frame improves distribution
- Proven robust frame design for superior strength and long field life
- Advanced wedge design spinner ensures excellent start-up reliability and low maintenance
- Supplied with a deflector tab on the spinner to reduce diameter of throw
- Six colour coded flow rates from 28 l/h to 90 l/h
- Fully assembled models available with pre-installed tube and stake



### Specifications

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 150 – 350 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Flow: 27-90 l/h
- Radius: 0.6-1.02m

### Application



ORCHARD



NURSERY



OVERHEAD  
FROST  
PROTECTOR



UNDER TREE  
IRRIGATION

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Deflector TAB Spinner (m)	Flow (l/h)	Stream Height (m)
Purple 0.9 mm	100	1.26	28	0.11
	200	1.2	29	
	250	1.2	27	
	300	1.2	27	
	350	1.2	28	
Brown 1.06 mm	100	1.35	36	0.13
	200	1.35	37	
	250	1.35	36	
	300	1.35	36	
	350	1.35	36	
Light Blue 1.25 mm	100	1.35	47	0.13
	200	1.35	47	
	250	1.35	47	
	300	1.35	48	
	350	1.35	48	
Light Green 1.33 mm	100	1.35	55	0.15
	200	1.35	56	
	250	1.35	56	
	300	1.35	57	
	350	1.35	56	
Orange 1.46 mm	100	1.8	68	0.15
	200	1.8	70	
	250	1.8	68	
	300	1.8	68	
	350	1.8	69	
Grey 1.46 mm	100	2.04	86	0.24
	200	2.04	88	
	250	2.04	88	
	300	2.04	89	
	350	2.04	90	

### Ordering Information

1014709	Waterbird VI PC SR with Tab Purple Nozzle At 27l/h 0.6m Radius
1014770	Waterbird VI PC SR with Tab Brown Nozzle At 36l/h 0.68m Radius
1014771	Waterbird VI PC SR with Tab Light Blue Nozzle At 47l/h 0.68m Radius
1014772	Waterbird VI PC SR with Tab Light Green Nozzle At 55l/h 0.75m Radius
1014773	Waterbird VI PC SR with Tab Orange Nozzle At 70l/h 0.9m Radius
1014774	Waterbird VI PC SR with Tab Grey Nozzle At 90l/h 1.02m Radius

# Waterbird PC – (Previously VII PC)

## STANDARD SPINNER

### Features

- Unique patented pressure compensating diaphragm assembly for improved performance
- Pressure compensating mechanism provides uniform flow on undulating terrain
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- A two-stage spinner provides two diameters of throw. The smallest diameter is for younger trees, and the deflector is simply removed for developed trees
- Aerofoil shaped frame improves sprinkler distribution pattern
- Large droplet size is less susceptible to wind effects
- Snap Fit bearing for easy infield maintenance
- Low angle of throw maximises under foliage penetration
- Eight colour coded flow rates from 35 l/h to 152 l/h
- Larger radius than Waterbird PC Olive
- Fully assembled models available with pre-installed tube and stake

### Specifications

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 150 – 350 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Flow: 35-152 l/h
- Radius: 2.8-4.2m



### Application



ORCHARD



NURSERY



VEGETABLES



UNDER TREE IRRIGATION

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Flow (l/h)	Stream Height (m)
Black 0.91 mm	100	5.2	35	0.39
	200	5.8	36	
	250	5.6	36	
	300	6.0	36	
	350	5.6	36	
Light Blue 1.07 mm	100	6.0	46	0.36
	200	6.4	49	
	250	6.6	48	
	300	6.6	48	
	350	6.6	47	
White 1.17 mm	100	6.4	54	0.43
	200	6.8	57	
	250	6.8	57	
	300	6.8	58	
	350	6.8	59	
Maroon 1.34 mm	100	7.4	74	0.33
	200	7.6	76	
	250	7.8	77	
	300	7.6	76	
	350	7.6	75	
Green 1.52 mm	100	8.4	96	0.50
	200	8.4	97	
	250	8.4	97	
	300	8.4	98	
	350	8.4	98	
Purple 1.81 mm	100	8.4	120	0.35
	200	8.4	115	
	250	7.6	116	
	300	7.8	116	
	350	7.8	116	

### Performance Chart (cont.)

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Flow (l/h)	Stream Height (m)
Blue 1.81 mm	100	9.5	135	0.50
	200	9.0	135	
	250	9.0	134	
	300	9.0	133	
	350	9.0	134	
Grey 1.90 mm	100	8.4	151	0.39
	200	8.4	151	
	250	8.4	152	
	300	8.4	150	
	350	8.4	149	

### Ordering Information

WB7PC36	Waterbird VII PC no Tab Black Nozzle 36l/h 2.8m Radius
WB7PC47	Waterbird VII PC no Tab Light Blue Nozzle 47l/h 3.3m Radius
WB7PC57	Waterbird VII PC no Tab White Nozzle 57l/h 3.4m Radius
WB7PC76	Waterbird VII PC no Tab Maroon Nozzle 76l/h 3.9m Radius
WB7PC99	Waterbird VII PC no Tab Green Nozzle 99l/h 4.2m Radius
WB7PC118	Waterbird VII PC no Tab Purple Nozzle 118l/h 3.8m Radius
WB7PC134	Waterbird VII PC no Tab Blue Nozzle 134l/h 4.5m Radius
WB7PC151	Waterbird VII PC no Tab Grey Nozzle 151l/h 4.2m Radius

# Waterbird PC – (Previously VII PC)

## DEFLECTOR TAB SPINNER

### Features

- Unique patented pressure compensating diaphragm assembly for improved performance
- Pressure compensating mechanism provides uniform flow on undulating terrain
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- A two-stage spinner provides two diameters of throw. The smallest diameter is for younger trees, and the deflector is simply removed for developed trees
- Aerofoil shaped frame improves sprinkler distribution pattern
- Large droplet size is less susceptible to wind effects
- Snap Fit bearing for easy infield maintenance
- Low angle of throw maximises under foliage penetration
- Eight colour coded flow rates from 35 l/h to 152 l/h
- Fully assembled models available with pre-installed tube and stake

### Specifications

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 150 – 350 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Flow: 35-152 l/h
- Radius: 0.3-1m



### Application



ORCHARD



NURSERY



VEGETABLES



UNDER TREE IRRIGATION

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Deflector TAB Spinner (m)	Flow (l/h)	Stream Height (m)
Black 0.91 mm	100	0.6	35	0.39
	200	0.6	36	
	250	0.6	36	
	300	0.6	36	
	350	0.6	36	
Light Blue 1.07 mm	100	1.0	46	0.36
	200	1.0	49	
	250	1.0	48	
	300	1.0	48	
	350	1.0	47	
White 1.17 mm	100	1.4	54	0.43
	200	1.4	57	
	250	1.4	57	
	300	1.4	58	
	350	1.4	59	
Maroon 1.34 mm	100	1.4	74	0.33
	200	1.4	76	
	250	1.4	77	
	300	1.4	76	
	350	1.4	75	
Green 1.52 mm	100	1.4	96	0.50
	200	1.4	97	
	250	1.4	97	
	300	1.4	98	
	350	1.4	98	
Purple 1.81 mm	100	1.4	120	0.35
	200	1.4	115	
	250	1.4	116	
	300	1.4	116	
	350	1.4	116	

### Performance Chart (cont.)

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Deflector TAB Spinner (m)	Flow (l/h)	Stream Height (m)
Blue 1.81 mm	100	1.6	135	0.50
	200	1.6	135	
	250	1.6	134	
	300	1.6	133	
	350	1.6	134	
Grey 1.90 mm	100	2.0	151	0.39
	200	2.0	151	
	250	2.0	152	
	300	2.0	150	
	350	2.0	149	

### Ordering Information

WB7PC36D	Waterbird VII PC with Tab Black Nozzle 36l/h 0.3m Radius
WB7PC47D	Waterbird VII PC with Tab Light Blue Nozzle 47l/h 0.5m Radius
WB7PC57D	Waterbird VII PC with Tab White Nozzle 57l/h 0.7m Radius
WB7PC76D	Waterbird VII PC with Tab Maroon Nozzle 76l/h 0.7m Radius
WB7PC99D	Waterbird VII PC with Tab Green Nozzle 99l/h 0.7m Radius
WB7PC118D	Waterbird VII PC with Tab Purple Nozzle 118l/h 0.7m Radius
WB7PC134D	Waterbird VII PC with Tab Blue Nozzle 134l/h 0.8m Radius
WB7PC151D	Waterbird VII PC with Tab Grey Nozzle 151l/h 1.0m Radius

# Waterbird Classic Trellis - Non PC (Previously VI Trellis)

## STANDARD SPINNER

### Features

- Developed to meet the unique needs of nut tree growers
- Trellis hook allows for easy suspension from poly tubing with a cable tie
- Snap lock bearing prevents nozzle dislodging by machinery during harvest and spraying
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- Low angle of throw for maximising under foliage penetration
- Robust aerofoil shaped frame for improved distribution and long field life
- More efficient water application – larger droplets, low angle and less wind effect
- Fully assembled model with pre-installed 5mm x 0.6m tube and 5mm adaptor
- Three colour coded flow rates from 44 l/h to 115 l/h
- Limited Throw Deflector (LTD) models available



### Specifications

- Inlet: 10 mm MBSP/NPT
- Recommended Pressure Range: 100 – 200 kPa
- Materials: Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- Trellis Hook: Suits cable ties to 5 mm width
- Flow: 44-115 l/h
- Radius: 3.45-4.6m

### Application



ORCHARD



NURSERY



UNDER TREE IRRIGATION

### Performance Chart

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Flow (l/h)	Stream Height (m)
White	100	6.1	44	0.56
	150	6.9	55	0.62
1.05 mm	200	7.3	64	0.65
	100	6.8	61	0.57
Maroon	150	7.8	76	0.71
	200	8.3	89	0.90
1.25 mm	100	7.3	80	0.60
	150	9.2	99	0.83
Green	200	10.3	115	0.90

### Ordering Information

1014272TA	Waterbird VI Trellis Sprinkler Complete White Non PC 55l/h 3.45m Radius
1014273TA	Waterbird VI Trellis Sprinkler Complete Maroon Non PC 76l/h 3.9m Radius
1014274TA	Waterbird VI Trellis Sprinkler Complete Green Non PC 99l/h 4.6m Radius