

Acurain™ 5022-4

ACURAIN SPRINKLER



Germination Irrigation



Irrigation Full Coverage



Pasture Irrigation



Field Crops



Crop Coloring



Crop Cooling



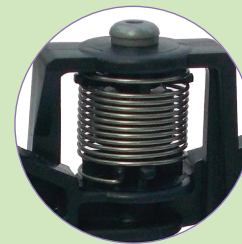
Unique Hammer

Triangular wedge drive mechanism for uniform water distribution



Red Cap for Protection

Plastic protection cap protects spring from sand and gives longer life to sprinkler



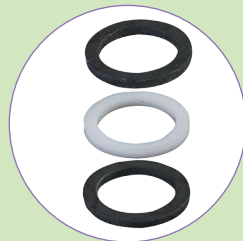
Heavy Duty Retraction Spring

Heavy duty stainless steel fulcrum pin and strong and reliable SS spring



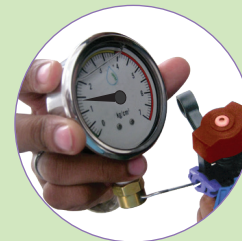
Innovative Bayonet Nozzle Design

Colour coded bayonet nozzles with integrated stream straightening vanes in nozzles for maximum throw



High Performance Washer

Long life Teflon washer helps to give uniform & hassle free rotation.



Low Pressure Operating Sprinkler

Specially designed stainless spring to work at lower pressure (1.0 kg/cm²)

Acurain - 5022-4

Additional Features

- Low droplet impact and low application rate ensure better conditions for perfect germination and development. The fine, low droplet impact velocity prevents splashing of sand and fertilizers on to the seedlings.
- Less sensitive to clogging.
- Higher resistance to wind.
- Available with leakage prevention device (LPD) as an option to prevent low head drainage.

Applications

- Recommended for closely spaced field crops, such as potato, leafy vegetables, cotton, oil seeds, pulses, cereals and fodder crops.
- Irrigation and germination of vegetables, flowers and nursery crops.
- Suitable to use with Jain Rainport Systems.

Specifications

- Discharges : 235 - 630 lph
- Diameter : 18 to 23 m
- Recommended Pressure: 1.0 to 3.0 kg/cm²
- Inlet Connection : 1/2" male threaded

Performance Table - Acurain 5022-4

Precipitation rates (mm/hr) & uniformity (CU) at various spacing

Nozzles (mm)	P (kg/cm ²)	Q (Lph)	D (m)	Precipitation (mm/hr) / spacing (m)				
				6x6	7x7	8x8	9x9	10x10
1.8 x 1.8 Light green	1.0	235	18	6.5	4.8	3.7	2.9	2.4
	1.5	290	20	8.1	5.9	4.5	3.6	2.9
	2.0	330	21	9.2	6.7	5.2	4.1	3.3
	2.5	365	22	10.1	7.4	5.7	4.5	3.7
2.0 x 1.8 White	3.0	400	22	11.1	8.2	6.3	4.9	4.0
	1.0	270	19	7.5	5.5	4.2	3.3	2.7
	1.5	330	21	9.2	6.7	5.2	4.1	3.3
	2.0	370	21	10.3	7.6	5.8	4.6	3.7
2.2 x 1.8 Brown	2.5	420	21	11.7	8.6	6.6	5.2	4.2
	3.0	460	22	12.8	9.4	7.2	5.7	4.6
	1.0	295	19	8.2	6.0	4.6	3.6	3.0
	1.5	360	21	10.0	7.3	5.6	4.4	3.6
2.3 x 1.8 Silver	2.0	415	21	11.5	8.5	6.5	5.1	4.2
	2.5	460	22	12.8	9.4	7.2	5.7	4.6
	3.0	510	22	14.2	10.4	8.0	6.3	5.1
	1.0	330	20	9.2	6.7	5.2	4.1	3.3
2.5 x 1.8 Purple	1.5	405	22	11.3	8.3	6.3	5.0	4.1
	2.0	455	22	12.6	9.3	7.1	5.6	4.6
	2.5	520	23	14.4	10.6	8.1	6.4	5.2
	3.0	560	23	15.6	11.4	8.8	6.9	5.6
2.5 x 1.8 Purple	1.0	365	20	10.1	7.4	5.7	4.5	3.7
	1.5	445	22	12.4	9.1	7.0	5.5	4.5
	2.0	515	23	14.3	10.5	8.0	6.4	5.2
	2.5	580	23	16.1	11.8	9.1	7.2	5.8
	3.0	630	23	17.5	12.9	9.8	7.8	6.3

Color code - Coefficient of uniformity

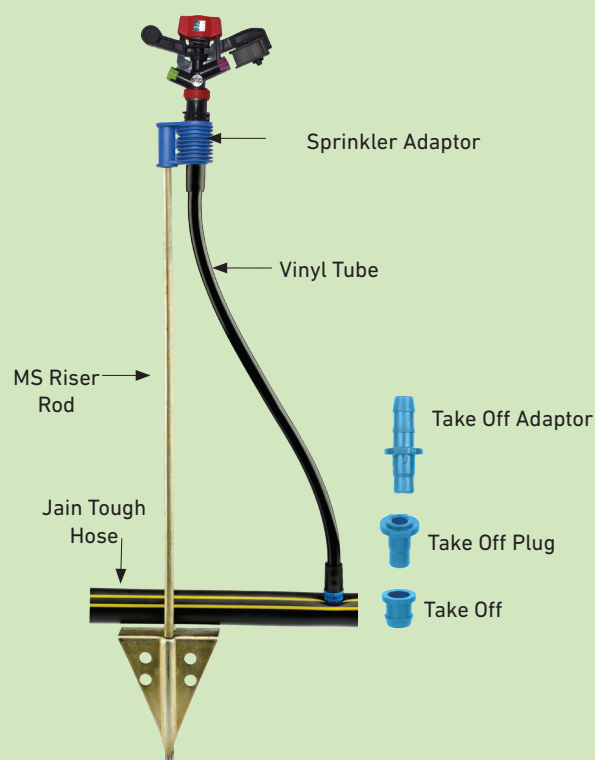
CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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Note:

* Performance table prepared under laboratory conditions.

* For windy conditions use closer spacings.

Acurain 5022-4 Sprinkler Assembly



Ordering Specifications

	XX	X
515285	Digit : Nozzle Size (mm x mm)	Blank - Domestic N - Export
	18 - (1.8 x 1.8)	
	20 - (2.0 x 1.8)	
	22 - (2.2 x 1.8)	
	23 - (2.3 x 1.8)	
	25 - (2.5 x 1.8)	

Example: 51528525 - This code represents 5022-4 sprinkler with nozzle size 2.5 x 1.8 mm for domestic (within India) order.