

Acurain™ 5022 SD

ACURAIN SPRINKLER



Germination
Irrigation



Irrigation
Full Coverage



Pasture
Irrigation



Crop
Coloring



Field
Crops



Patented Super Diffuser Plate

Unique hammer with SD (super-diffuser) plate design for uniform distribution



Red Cap for Protection

Plastic protection cap protects the 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

Integrated stream straightening vanes in nozzles for maximum throw



High Performance Washer

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



Threaded Inlet Connection

For connectivity with assembly 1/2" male threaded inlet connection is available

Acurain -5022 SD

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
- SD sprinklers are less sensitive to clogging
- SD sprinklers have higher resistance to wind
- SD sprinklers can be combined with LPD (Leakage Prevention Device) under the sprinkler to maintain a full irrigation system.

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 : 570 -1430 lph
- Diameter : 21 m to 26 m
- Recommended Pressure: 2.5 kg/cm² to 4 kg/cm²
- Inlet Connection : 1/2" male threaded & 3/4" female threaded.

Acurain 5022 SD Sprinkler Assembly



Performance Table- Acurain 5022 SD

Single nozzle, Black Long SD

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

Nozzle (mm)	P (kg/cm ²)	Q (lph)	D (m)	Spacing (m)				
				10x10	10x12	12x12	12x14	14x14
3.0 Red	2.5	570	21.0	5.7	4.8	4.0	3.4	2.9
	3.0	630	22.0	6.3	5.3	4.4	3.8	3.2
	3.5	680	23.0	6.8	5.7	4.7	4.1	3.5
	4.0	720	23.0	7.2	6.0	5.0	4.3	3.7
3.2 Green	2.5	640	21.2	6.4	5.3	4.4	3.8	3.3
	3.0	700	22.2	7.0	5.8	4.9	4.2	3.6
	3.5	760	23.0	7.6	6.3	5.3	4.5	3.9
	4.0	810	23.0	8.1	6.8	5.6	4.8	4.1
3.5 Blue	2.5	740	23.0	7.4	6.2	5.1	4.4	3.8
	3.0	810	23.0	8.1	6.8	5.6	4.8	4.1
	3.5	870	24.0	8.7	7.3	6.0	5.2	4.4
	4.0	930	25.0	9.3	7.8	6.5	5.5	4.7
4.0 Black	2.5	950	23.2	9.5	7.9	6.6	5.7	4.8
	3.0	1030	24.2	10.3	8.6	7.2	6.1	5.3
	3.5	1110	25.0	11.1	9.3	7.7	6.6	5.7
	4.0	1180	26.0	11.8	9.8	8.2	7.0	6.0

Rear nozzle colour: 1.8 mm, light green

Color code - Coefficient of uniformity

CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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Performance Table- Acurain 5022 SD

Dual nozzle, Blue Short SD

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

Nozzle (mm)	P (kg/cm ²)	Q (lph)	D (m)	Spacing (m)				
				10x10	10x12	12x12	12x14	14x14
3.0x1.8 Red	2.5	760	21.0	7.6	6.3	5.3		
	3.0	840	22.0	8.4	7.0	5.8		
	3.5	900	23.0	9.0	7.5	6.3		
	4.0	970	22.0	9.7	8.1	6.7		
3.2x1.8 Green	2.5	820	21.0	8.2	6.8	5.7		
	3.0	900	22.0	9.0	7.5	6.3		
	3.5	980	23.0	9.8	8.2	6.8		
	4.0	1040	23.0	10.4	8.7	7.2		
3.5x1.8 Blue	2.5	890	23.0	8.9	7.4	6.2	5.3	
	3.0	990	23.0	9.9	8.3	6.9	5.9	
	3.5	1060	24.0	10.6	8.8	7.4	6.3	
	4.0	1150	24.0	11.5	9.6	8.0	6.8	
4.0x1.8 Black	2.5	1100	24.0	11.0	9.2	7.6	6.5	5.6
	3.0	1220	25.0	12.2	10.2	8.5	7.3	6.2
	3.5	1330	25.0	13.3	11.1	9.2	7.9	6.8
	4.0	1430	26.0	14.3	11.9	9.9	8.5	7.3

Rear nozzle color: 1.8 mm, light green

Color code - Coefficient of uniformity

CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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Ordering Specifications - 5022 SD

5152	X	X	XX
	7 - Male Connection	Nozzle Quantity(mm)	Digit - First Nozzle Size (mm)
8 - Female Connection	2 - Dual Nozzle 0 - Single Nozzle		

Example: 51527231 - This code represents 5022 SD sprinkler with dual nozzle

size 3.0 x 1.8 mm and male connection.