



Increase Efficiency & Yields



Boost Crop Yields up to 7.92%*

A revolution in spray head technology. (Patent Pending)

*Results from University of Nebraska Research & Extension Center using Simplot Monitoring Sensors (Corn & Alfalfa) 8/2022.

Additional benefits include:*

1

Reduce Water Stress Days



Lower the number of stress days by 80%

2

Increased Soil Saturation



Significant Increase in soil saturation levels

3

Reduced Water & Chemical Usage



Reduce irrigation up to 179,218 gallons per acre per year.

*Many states offer incentives that include cost share, grants, rebates, tax credits, or low-interest loan programs designed specifically for water conservation and sustainable agriculture. Check with your local Natural Resource District.

IDEM Irrigation "The Ball" Flow-Rate & Nozzle Size Chart



Sprinkler throw radius with standard trajectory ball measured with no wind, sprinkler at 6' height:

10 psi: 10-15 ft radius

15 psi: 14-20 ft radius

Maximum sprinkler spacing 10 ft.

Low trajectory and High trajectory throw patterns available.



6 psi IDEM Ball with Nozzle		10 psi IDEM Ball with Nozzle		15 psi IDEM Ball with Nozzle		20 psi IDEM Ball with Nozzle	
Nozzle Size	Flowrate gpm	Nozzle Size	Flowrate gpm	Nozzle Size	Flowrate gpm	Nozzle Size	Flowrate gpm
Low Flow 5 Hole Ball		Low Flow 5 Hole Ball		Low Flow 5 Hole Ball		Low Flow 5 Hole Ball	
1	0.63	1	0.82	1	1.08	1	1.28
2	0.76	2	1.07	2	1.17	2	1.63
3	0.65	3	0.88	3	1.17	3	1.55
4	0.76	4	1.15	4	1.43	4	1.63
5	0.86	5	1.25	5	1.47	5	1.76
6	0.96	6	1.40	6	1.55	6	1.86
7	1.05	7	1.48	7	1.68	7	2.03
8	1.16	8	1.62				
9	1.21						
Low Flow 7 Hole Ball		Low Flow 7 Hole Ball		Low Flow 7 Hole Ball		Low Flow 7 Hole Ball	
9	1.37	8	1.77	7	1.82	7	2.21
10	1.43	9	1.87	8	1.93	8	2.35
11	1.45	10	1.93	9	2.21	9	2.49
12	1.50	11	2.00	10	2.25	10	2.55
13	1.67	12	2.18	11	2.33	11	2.72
14	1.73	13	2.25	12	2.53		
		14	2.46				
Low Flow 14 Hole Ball		Low Flow 14 Hole Ball		Low Flow 14 Hole Ball		Low Flow 14 Hole Ball	
13	2.09	13	2.65	11	2.69	10	2.90
14	2.15	14	2.80	12	3.13	11	3.26
15	2.26	15	2.94	13	3.34	12	3.55
16	2.31	16	3.20	14	3.44	13	3.83
17	2.37	17	3.58	15	3.73	14	4.03
18	2.52	18	3.67	16	3.97	15	4.20
19	2.90	19	3.87	17	4.23	16	4.45
		20	3.93	18	4.30	17	4.65
				19	4.61		
Low Flow 20 Hole Ball		Low Flow 20 Hole Ball		Low Flow 20 Hole Ball		Low Flow 20 Hole Ball	
19	3.01	19	4.22	18	4.92	16	5.08
20	3.29	20	4.52	19	5.17	17	5.29
21	3.96	21	5.21	20	5.31	18	5.54
22	4.10	22	5.47	21	6.21	19	5.71
23	4.23	23	5.56	22	6.41	20	6.15
		24	5.65	23	6.62	21	6.85
						22	7.17
						23	7.43
High Flow 14 Hole Ball		High Flow 14 Hole Ball		High Flow 14 Hole Ball		High Flow 14 Hole Ball	
23	4.63	23	6.05	22	7.00	22	7.72
24	4.80	24	6.19	23	7.32	23	8.30
25	5.24	25	6.66	24	7.44	24	8.56
26	5.45	26	6.82	25	7.92	25	8.81
27	5.64	27	7.23	26	8.03	26	9.19
28	5.74	28	7.31	27	8.55	27	9.52
29	5.94	29	7.57	28	8.74	28	9.74
30	6.39			29	9.06	29	10.10
				30	9.39	30	10.29
High Flow 20 Hole Ball		High Flow 20 Hole Ball		High Flow 20 Hole Ball		High Flow 20 Hole Ball	
29	6.72	28	7.92	29	9.80	29	10.95
30	6.93	29	8.36	30	10.25	30	11.30
31	7.26	30	8.84	31	10.50	31	11.54
32	7.70	31	9.19	32	10.74	32	11.97
33	7.97	32	9.26	33	11.25	33	12.26
34	8.12	33	9.66	34	11.55	34	12.39
35	8.41	34	9.87			35	12.64
						36	12.84
High Flow 24 Hole Ball		High Flow 24 Hole Ball		High Flow 24 Hole Ball		High Flow 24 Hole Ball	
34	9.18	32	10.23	32	11.98	34	13.47
35	9.51	33	10.80	33	12.73	35	13.78
36	9.67	34	11.02	34	13.05	36	14.07
37	9.99	35	11.56	35	13.36	37	14.23
38	10.36	36	11.79	36	13.81	38	14.40
39	10.63	37	12.02	37	14.08	39	14.56
40	11.12	38	12.20	38	14.21	40	14.93
		39	12.60	39	14.62		
		40	13.08	40	14.75		