



HI FLOW-HF NOZZLE PERFORMANCE CHART

US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000ft ²			
				MPH								20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
08	UC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	UC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	UC	40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	UC	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	XC	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
	XC	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	XC	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
10	UC	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	UC	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19
	UC	40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36
	UC	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53
	XC	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66
	XC	70	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80
	XC	80	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92
15	UC	20	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	UC	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77
	UC	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05
	UC	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29
	XC	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51
	XC	70	1.98	147	118	98.0	73.5	58.8	49.0	39.2	29.4	6.75	4.50	3.38	2.70
	XC	80	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89
20	UC	20	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92
	UC	30	1.73	128	103	85.6	64.2	51.4	42.8	34.3	25.7	5.90	3.93	2.95	2.36
	UC	40	2.00	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73
	UC	50	2.24	166	133	111	83.2	66.5	55.4	44.4	33.3	7.64	5.09	3.82	3.06
	XC	60	2.45	182	146	121	91.0	72.8	60.6	48.5	36.4	8.35	5.57	4.18	3.34
	XC	70	2.65	197	157	131	98.4	78.7	65.6	52.5	39.4	9.04	6.02	4.52	3.61
	XC	80	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86
30	UC	20	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89
	UC	30	2.60	193	154	129	96.5	77.2	64.4	51.5	38.6	8.87	5.91	4.43	3.55
	UC	40	3.00	223	178	149	111	89.1	74.3	59.4	44.6	10.2	6.82	5.12	4.09
	UC	50	3.35	249	199	166	124	99.5	82.9	66.3	49.7	11.4	7.62	5.71	4.57
	XC	60	3.67	272	218	182	136	109	90.8	72.7	54.5	12.5	8.34	6.26	5.01
	XC	70	3.97	295	236	197	147	118	98.3	78.6	59.0	13.5	9.03	6.77	5.42
	XC	80	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78
40	UC	20	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86
	UC	30	3.46	257	206	171	128	103	85.6	68.5	51.4	11.8	7.87	5.90	4.72
	UC	40	4.00	297	238	198	149	119	99.0	79.2	59.4	13.6	9.09	6.82	5.46
	UC	50	4.47	332	266	221	166	133	111	88.5	66.4	15.2	10.2	7.62	6.10
	XC	60	4.90	364	291	243	182	146	121	97.0	72.8	16.7	11.1	8.35	6.68
	XC	70	5.29	393	314	262	196	157	131	105	78.6	18.0	12.0	9.02	7.22
	XC	80	5.66	420	336	280	210	168	140	112	84.1	19.3	12.9	9.65	7.72
50	UC	20	3.54	263	210	175	131	105	87.6	70.1	52.6	12.1	8.05	6.04	4.83
	UC	30	4.33	322	257	214	161	129	107	85.7	64.3	14.8	9.84	7.38	5.91
	UC	40	5.00	371	297	248	186	149	124	99.0	74.3	17.1	11.4	8.53	6.82
	UC	50	5.59	415	332	277	208	166	138	111	83.0	19.1	12.7	9.53	7.62
	XC	60	6.12	454	364	303	227	182	151	121	90.9	20.9	13.9	10.4	8.35
	XC	70	6.61	491	393	327	245	196	164	131	98.2	22.5	15.0	11.3	9.02
	XC	80	7.07	525	420	350	262	210	175	140	105	24.1	16.1	12.1	9.64
60	UC	20	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78
	UC	30	5.20	386	309	257	193	154	129	103	77.2	17.7	11.8	8.87	7.09
	UC	40	6.00	446	356	297	223	178	149	119	89.1	20.5	13.6	10.2	8.18
	UC	50	6.71	498	399	332	249	199	166	133	99.6	22.9	15.3	11.4	9.15
	XC	60	7.35	546	437	364	273	218	182	146	109	25.1	16.7	12.5	10.0
	XC	70	7.94	590	472	393	295	236	197	157	118	27.1	18.1	13.5	10.8
	XC	80	8.49	630	504	420	315	252	210	168	126	29.0	19.3	14.5	11.6

Droplet size based on ASABE S572.1 standard.

Metric Units

Nozzle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm Spacing KM/H								
				7	8	10	12	15	20	25	30	
08	UC	1,5	2,26	387	339	271	226	181	136	108	90	
	UC	2	2,61	447	392	313	261	209	157	125	104	
	UC	2,5	2,92	501	438	350	292	234	175	140	117	
	UC	3	3,20	549	480	384	320	256	192	154	128	
	XC	4	3,70	634	555	444	370	296	222	178	148	
	XC	5	4,13	708	620	496	413	330	248	198	165	
	XC	6	4,53	777	680	544	453	362	272	217	181	
10	UC	1,5	2,8	480	420	336	280	224	168	134	112	
	UC	2	3,3	566	495	396	330	264	198	158	132	
	UC	2,5	3,7	634	555	444	370	296	222	178	148	
	UC	3	4,0	686	600	480	400	320	240	192	160	
	XC	4	4,6	789	690	552	460	368	276	221	184	
	XC	5	5,2	891	780	624	520	416	312	250	208	
	XC	6	5,7	977	855	684	570	456	342	274	228	
15	UC	1,5	4,2	720	630	504	420	336	252	202	168	
	UC	2	4,9	840	735	588	490	392	294	235	196	
	UC	2,5	5,5	943	825	660	550	440	330	264	220	
	UC	3	6,0	1029	900	720	600	480	360	288	240	
	XC	4	6,9	1183	1035	828	690	552	414	331	276	
	XC	5	7,7	1320	1155	924	770	616	462	370	308	
	XC	6	8,5	1457	1275	1020	850	680	510	408	340	
20	UC	1,5	5,7	977	855	684	570	456	342	274	228	
	UC	2	6,5	1114	975	780	650	520	390	312	260	
	UC	2,5	7,3	1251	1095	876	730	584	438	350	292	
	UC	3	8,0	1371	1200	960	800	640	480	384	320	
	XC	4	9,2	1577	1380	1104	920	736	552	442	368	
	XC	5	10,3	1766	1545	1236	1030	824	618	494	412	
	XC	6	11,3	1937	1695	1356	1130	904	678	542	452	
30	UC	1,5	8,5	1457	1275	1020	850	680	510	408	340	
	UC	2	9,8	1680	1470	1176	980	784	588	470	392	
	UC	2,5	11,0	1886	1650	1320	1100	880	660	528	440	
	UC	3	12,0	2057	1800	1440	1200	960	720	576	480	
	XC	4	13,9	2383	2085	1668	1390	1112	834	667	556	
	XC	5	15,5	2657	2325	1860	1550	1240	930	744	620	
	XC	6	17,0	2914	2550	2040	1700	1360	1020	816	680	
40	UC	1,5	11,3	1937	1695	1356	1130	904	678	542	452	
	UC	2	13,1	2246	1965	1572	1310	1048	786	629	524	
	UC	2,5	14,6	2503	2190	1752	1460	1168	876	701	584	
	UC	3	16,0	2743	2400	1920	1600	1280	960	768	640	
	XC	4	18,5	3171	2775	2220	1850	1480	1110	888	740	
	XC	5	20,7	3549	3105	2484	2070	1656	1242	994	828	
	XC	6	22,6	3874	3390	2712	2260	1808	1356	1085	904	
50	UC	1,5	14,1	2417	2115	1692	1410	1128	846	677	564	
	UC	2	16,3	2794	2445	1956	1630	1304	978	782	652	
	UC	2,5	18,3	3137	2745	2196	1830	1464	1098	878	732	
	UC	3	20,0	3429	3000	2400	2000	1600	1200	960	800	
	XC	4	23,1	3960	3465	2772	2310	1848	1386	1109	924	
	XC	5	25,8	4423	3870	3096	2580	2064	1548	1238	1032	
	XC	6	28,3	4851	4245	3396	2830	2264	1698	1358	1132	
60	UC	1,5	17,0	2914	2550	2040	1700	1360	1020	816	680	
	UC	2	19,6	3360	2940	2352	1960	1568	1176	941	784	
	UC	2,5	21,9	3754	3285	2628	2190	1752	1314	1051	876	
	UC	3	24,0	4114	3600	2880	2400	1920	1440	1152	960	
	XC	4	27,7	4749	4155	3324	2770	2216	1662	1330	1108	
	XC	5	31,0	5314	4650	3720	3100	2480	1860	1488	1240	
	XC	6	33,9	5811	5085	4068	3390	2712	2034	1627	1356	

Droplet size based on ASABE S572.1 standard.