

FIELDJET® No.	PRESSURE IN bar	CAPACITY IN L/min	"W" IN cm	LITERS PER HECTARE										
				BASED ON SPRAYING SOLUTION WITH DENSITY - 1.20 kg/L (FOR CONVERSION FACTORS SEE AT RIGHT)										
				3 km/h	4 km/h	5 km/h	6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h		
1/4 KLC-9	0.70	3.12	488	128	96	77	64	48	38	32	27	24		
	0.80	3.33	503	132	99	79	66	50	40	33	28	25		
	1.0	3.73	518	144	108	86	72	54	43	36	31	27		
	1.2	4.09	541	151	113	91	76	57	45	38	32	28		
	1.4	4.42	549	161	121	97	81	60	48	40	35	30		
	1.6	4.72	556	170	127	102	85	64	51	42	36	32		
	1.8	5.01	564	178	133	107	89	67	53	44	38	33		
	2.0	5.27	579	182	137	109	91	68	55	46	39	34		
	2.5	5.90	610	193	145	116	97	73	58	48	41	36		
	3.0	6.47	640	202	152	121	101	76	61	51	43	38		
1/4 KLC-18	0.70	6.24	549	227	170	136	114	85	68	57	49	43		
	0.80	6.67	564	237	177	142	118	89	71	59	51	44		
	1.0	7.46	579	257	193	155	129	97	77	64	55	48		
	1.2	8.18	594	275	207	165	138	103	83	69	59	52		
	1.4	8.83	609	290	217	174	145	109	87	72	62	54		
	1.6	9.44	617	306	229	184	153	115	92	76	66	57		
	1.8	10.02	625	321	240	192	160	120	96	80	69	60		
	2.0	10.55	640	330	247	198	165	124	99	82	71	62		
	2.5	11.80	655	360	270	216	180	135	108	90	77	68		
	3.0	12.93	671	385	289	231	193	145	116	96	83	72		
1/4 KLC-36	0.70	12.49	579	431	324	259	216	162	129	108	92	81		
	0.80	13.35	594	449	337	270	225	169	135	112	96	84		
	1.0	14.93	609	490	368	294	245	184	147	123	105	92		
	1.2	16.36	655	500	375	300	250	187	150	125	107	94		
	1.4	17.67	670	527	395	316	264	198	158	132	113	99		
	1.6	18.89	685	552	414	331	276	207	165	138	118	103		
	1.8	20.0	701	571	428	342	285	214	171	143	122	107		
	2.0	21.1	731	577	433	346	289	216	173	144	124	108		
	2.5	23.6	762	619	465	372	310	232	186	155	133	116		
	3.0	25.9	792	654	490	392	327	245	196	164	140	123		
1/4 KLC-72	0.70	24.9	640	778	584	467	389	292	233	195	167	146		
	0.80	26.7	670	797	598	478	399	299	239	199	171	149		
	1.0	29.9	685	873	655	524	436	327	262	218	187	164		
	1.2	32.7	731	895	671	537	447	335	268	224	192	168		
	1.4	35.3	762	927	695	556	463	347	278	232	199	174		
	1.6	37.8	792	955	716	573	477	358	286	239	205	179		
	1.8	40.1	823	974	731	585	487	365	292	243	208	182		
	2.0	43.2	884	977	733	586	489	367	293	244	209	183		
	2.5	47.2	914	1032	775	620	516	387	310	258	221	194		
	3.0	51.7	945	1094	821	657	547	410	328	274	234	205		
1/4 KLC-108	0.70	37.5	640	1172	879	703	586	439	352	293	251	220		
	0.80	40.8	671	1216	912	729	608	456	364	304	260	228		
	1.0	44.8	731	1225	919	735	613	460	368	306	263	230		
	1.2	49.0	792	1237	928	742	618	464	371	309	265	232		
	1.4	53.0	853	1243	932	746	621	466	373	311	266	233		
	1.6	56.7	899	1261	946	757	631	473	378	315	270	237		
	1.8	60.1	945	1272	954	763	636	477	382	318	273	238		
	2.0	64.7	1005	1288	966	773	644	483	386	322	276	241		
	2.5	70.8	1067	1327	995	796	664	498	398	332	284	249		
	3.0	77.6	1097	1415	1061	849	707	531	424	354	303	265		

L/min = LITERS PER MINUTE
L/ha = LITERS PER HECTARE
W = SPRAY COVERAGE IN cm (SEE DWG. 6797M)
km/h = KILOMETERS PER HOUR

CONVERSION FACTORS - TO OBTAIN L/ha OF OTHER SOLUTIONS MULTIPLY BY CONVERSION FACTOR					
SOLUTION DATA			SOLUTION DATA		
DENSITY kg/L	TRADE NAME	CONVERSION FACTOR	DENSITY kg/L	TRADE NAME	CONVERSION FACTOR
.78		1.24	1.14	NITRANA 2	1.02
.80	DDT IN KEROSENE BASE	1.22	1.18	NITRANA 4	1.01
.84		1.20	1.20	FERAN 16	1.00
.90	UAS - W	1.16	1.23	999 ; NFS - 50	.99
.92	UAS - A	1.14	1.26		.98
.96	UAS - S	1.12	1.28	FERAN 21 ; URAN 28	.97
.97	UAS - B	1.11	1.29	URAN 30	.96
1.00	2,4-D AND WATER	1.10	1.32	URAN 32	.95
1.02		1.08	1.35	FERAN 28	.94
1.04	NITRANA 6; URAN 15	1.07	1.38	NFS - 83	.93
1.08	NITRANA 3; URAN 12	1.05	1.41	SODAN	.92
1.11	URAN 10	1.04	1.44		.91

SINCE THE L/ha TABULATION IS BASED ON A SOLUTION WITH DENSITY OF 1.20 kg/L, IT IS NECESSARY TO MULTIPLY THE TABULATED L/ha BY A CONVERSION FACTOR ANY TIME A DIFFERENT SOLUTION IS USED.

THE CONVERSION FACTORS ARE LISTED ABOVE AND BASED ON 16° C - 22° C TEMPERATURES.

CAUTION: THESE CONVERSION FACTORS ARE ONLY TO BE USED ON TABULATIONS WHICH ARE BASED ON SOLUTION WITH DENSITY OF 1.20 kg/L. DO NOT USE ON TABULATIONS WHICH ARE BASED ON SPRAYING WATER.

EXAMPLE

TO DETERMINE L/ha OF SOLUTION WITH DENSITY OF 1.08 kg/L WHEN USING A 1/4KLC-36 FIELDJET® NOZZLE AT 3 bar - AT 8 km/h.

FROM TABLE AT LEFT - COVERAGE IS 245 L/ha (FOR SOLUTION WITH DENSITY 1.20 ka/L).

FROM TABLE ABOVE - CONVERSION FACTOR (FOR SOLUTION WITH DENSITY OF 1.08 kg/L) = 1.05.

THEREFORE: 245 L/ha x 1.05 FACTOR = 257 L/ha (FOR SOLUTION WITH DENSITY 1.08 kg/L).

FOR DETAILS ON FIELDJET® NOZZLES SEE DATA SHEET 6797M

DESCRIPTION:
LITERS PER HECTARE FOR
KLC - FIELDJET NOZZLES
BASED ON SPRAYING
SOLUTION WITH DENSITY - 1.20
AND CONVERSION FACTORS



Spraying Systems Co.®
Spray Nozzles and Accessories
P.O. Box 7900 - Wheaton, Il. 60189-7900

Rev. No.

Data Sheet No.

7030M

Ref.

SHEET OF