



SPRAYING BALLAST ONLY WITH NOZZLES B,C & D

SPRAYING SIDES ONLY WITH NOZZLES A & E

SPRAYING SIDES & BALLAST WITH NOZZLES A,B,C & E

NOZZLE COMBINATIONS				SPRAYING BALLAST ONLY WITH NOZZLES B,C & D											SPRAYING SIDES ONLY WITH NOZZLES A & E											SPRAYING SIDES & BALLAST WITH NOZZLES A,B,C & E										
NO.	NOZZLES A	NOZZLES B,C	NOZZLE C	LIQ. PRESS. IN P.S.I.	TOTAL CAPACITY G.P.M.	GALLONS PER ACRE						LIQ. PRESS. IN P.S.I.	TOTAL CAPACITY G.P.M.	GALLONS PER ACRE						LIQ. PRESS. IN P.S.I.	TOTAL CAPACITY G.P.M.	L'	GALLONS PER ACRE													
						10 M.P.H.	15 M.P.H.	20 M.P.H.	25 M.P.H.	30 M.P.H.	45 M.P.H.	60 M.P.H.			10 M.P.H.	15 M.P.H.	20 M.P.H.	25 M.P.H.	30 M.P.H.	45 M.P.H.	60 M.P.H.				10 M.P.H.	15 M.P.H.	20 M.P.H.	25 M.P.H.	30 M.P.H.	45 M.P.H.	60 M.P.H.					
I	4298-1/2-270C40	3/4 T 5040	3/4 T 6550	8	5.8	29	19	15	12	9.6	6.4	4.8	8	7.2	22	15	11	8.9	7.4	4.9	3.7	8	13	26'	22	15	11	9.1	7.6	5.1	3.8					
				10	6.5	32	22	16	13	11	7.2	5.4	10	8.0	25	17	13	10	8.4	5.6	4.2	10	15	26'	26	17	13	10	8.6	5.7	4.3					
				12	7.4	37	24	19	15	12	8.1	6.1	12	8.8	26	17	13	10	8.6	7.5	4.3	12	16	27'	28	19	14	11	9.4	6.8	4.7					
				15	8.0	40	26	20	16	13	8.8	6.6	15	9.8	27	18	14	11	9.0	6.0	4.5	15	18	28'	30	20	15	12	10	6.9	5.2					
				20	9.2	45	30	23	18	15	10	7.5	20	11	29	20	15	12	10	6.5	4.9	20	20	29'	36	24	17	14	12	7.7	5.8					
II	4298-1/2-270C80	3/4 T 5070	3/4 T 65100	8	11	55	36	28	22	18	12	9.1	8	14	41	27	20	16	14	9.1	6.8	8	25	27'	44	30	22	18	15	11	7.4					
				10	12	59	40	30	24	20	13	9.9	10	16	47	31	24	19	16	10	7.8	10	28	27'	49	33	25	20	16	11	8.2					
				12	13	64	43	32	26	21	14	11	12	18	50	33	25	20	17	11	8.9	12	31	28'	54	36	27	22	18	12	9.0					
				15	15	75	50	38	28	25	17	12	15	20	58	37	28	22	18	12	9.2	15	35	28'	60	40	30	24	20	13	10					
				20	17	85	56	43	30	28	19	14	20	23	60	40	30	24	20	13	10	20	40	29'	66	44	33	26	22	15	11					
III	4298-1/2-270C150	3/4 T 50150	3/4 T 65200	8	22	109	72	55	46	36	24	18	8	27	83	56	42	33	28	19	14	8	49	26'	96	64	48	39	32	21	16					
				10	25	126	84	63	50	42	28	21	10	30	93	62	47	37	31	21	16	10	55	26'	102	68	51	41	34	23	17					
				12	27	132	88	66	53	44	29	22	12	33	96	64	49	38	32	21	16	12	60	27'	108	72	54	43	36	24	18					
				15	31	156	104	78	66	52	25	26	15	37	102	68	51	41	34	23	17	15	68	28'	120	80	60	48	40	27	20					
				20	35	174	116	87	70	58	39	29	20	43	108	73	54	47	39	26	20	20	78	28'	138	92	69	55	46	31	23					
IV	4298-1/2-270C300	3/4 T 50250	3/4 T 65300	8	36	177	118	89	71	59	39	30	8	54	168	111	84	67	56	37	28	8	90	26'	168	112	84	67	56	37	28					
				10	40	198	132	99	79	66	44	33	10	60	186	124	93	74	62	41	31	10	100	26'	186	124	93	75	62	41	31					
				12	44	218	145	109	87	73	49	36	12	66	192	128	96	77	64	43	32	12	110	27'	198	132	99	78	64	44	33					
				15	49	243	162	122	97	81	54	41	15	74	204	136	102	82	68	45	34	15	123	28'	216	144	108	86	72	48	36					
				20	57	252	168	126	101	84	56	42	20	85	234	156	117	94	78	52	39	20	142	28'	252	168	126	101	84	66	42					

THE ABOVE ARRANGEMENT OFFERS A FLEXIBLE METHOD OF SPRAYING RAILROAD RIGHT-OF-WAYS. VALVE CONTROL OVER EACH NOZZLE PERMITS SPRAYING THE BALLAST AND SIDES INDIVIDUALLY OR TOGETHER AS DESIRED. THE TABULATION SHOWS THE GALLONS PER ACRE BASED ON FIVE LIQUID PRESSURES AT VARIOUS SPEEDS FOR FOUR DIFFERENT NOZZLE COMBINATIONS. TABULATION IS BASED ON WATER TEMPERATURE OF 70° F. ALL NOZZLES TO BE MOUNTED VERTICALLY. BOTH TIPS ON EACH BOOMJET NOZZLE TO BE SET VERTICALLY WITH SPRAYS IN SAME DIRECTION.

**DESCRIPTION:**  
**NOZZLE ARRANGEMENT FOR RAILROAD RIGHT-OF-WAY WEED CONTROL**



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

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