NOZZLE SETTING RECOMMENDATION CHART

190679 - SMITH Variable Flow Backpack Sprayer

COLOR KEY	COMMENT
	Optimal spray pattern.
	May not be optimal spray pattern.
	Not recommened; may over-work and damage pump with frequent use.

NOTE: All values represent spraying with water or similar viscosity liquid product.

Variable Control Dial Setting

Note: Pressure and Flow may vary ~ 10%		1		2		3		4		5		6		7		8		9		10	
		Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)
Nozzles Included with Product	High-Volume Foam (White)	0.18	13	0.21	18	0.23	23	0.26	28	0.28	33	0.31	40	0.33	48	0.34	51	0.36	55	0.38	62
	Foaming Weed (Black)	0.17	16	0.20	22	0.22	27	0.24	32	0.27	39	0.29	47	0.31	54	0.32	57	0.33	61	0.35	67
	Low-Volume Narrow Fan (Yellow)	0.18	12	0.21	17	0.24	22	0.26	27	0.28	32	0.31	39	0.34	46	0.35	49	0.36	54	0.38	60
	Low-Volume Wide Fan (Red)	0.18	13	0.21	18	0.23	23	0.26	28	0.28	33	0.31	40	0.33	48	0.34	51	0.36	55	0.38	62
	High-Volume Wide Fan (Brown)	0.21	3	0.26	4	0.30	6	0.33	7	0.37	9	0.42	12	0.46	15	0.49	17	0.53	20	0.58	24
	Jet Stream (Orange)	0.20	6	0.24	8	0.27	11	0.31	14	0.34	17	0.38	21	0.42	25	0.44	28	0.47	32	0.50	37
	Brass Adjustable (Straight Stream)	0.20	6	0.24	8	0.27	11	0.31	14	0.34	17	0.38	21	0.42	25	0.44	28	0.47	32	0.50	37
	Brass Adjustable (Full Cone)	0.14	27	0.16	35	0.17	40	0.19	50	0.21	60	0.22	69	0.24	77	NR**	NR**	NR**	NR**	NR**	NR**

Variable Control Dial Setting

Note: Pressure and Flow may vary ~ 5%		1		2		3		4		5		6		7		8		9		10	
		Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)
TEEJET/UNIJET Fan Nozzles (Not Included)	0.1 GPM Fan (all spray angles)	0.11	43	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**
	0.2 GPM Fan (all spray angles)	0.15	22	0.18	29	0.18	29	0.20	36	0.21	42	0.23	51	0.25	59	0.26	67	NR**	NR**	NR**	NR**
	0.3 GPM Fan (all spray angles)	0.18	13	0.21	17	0.23	22	0.25	27	0.28	33	0.31	39	0.33	47	0.34	50	0.36	54	0.38	61
	0.4 GPM Fan (all spray angles)	0.19	9	0.22	12	0.25	16	0.28	20	0.31	24	0.34	29	0.37	35	0.39	39	0.41	43	0.44	49
	0.5 GPM Fan (all spray angles)	0.20	6	0.23	9	0.27	11	0.30	15	0.33	18	0.37	22	0.41	27	0.43	30	0.45	35	0.49	40
	0.6 GPM Fan (all spray angles)	0.20	4	0.24	6	0.28	9	0.32	11	0.35	14	0.39	17	0.43	21	0.46	24	0.49	28	0.53	33
	0.8 GPM Fan (all spray angles)	0.21	3	0.26	4	0.30	5	0.33	7	0.37	9	0.41	11	0.46	14	0.49	16	0.53	19	0.58	24
	1.0 GPM Fan (all spray angles)	0.22	2	0.26	3	0.31	4	0.34	5	0.38	6	0.43	8	0.48	10	0.51	12	0.55	14	0.61	18

Variable Control Dial Setting

Note: Pressure and Flow may vary ~ 5%		1		2		3		4		5		6		7		8		9		10	
		Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)	Flow (gpm)	Pressure (psi)
Misting Nozzles (Not Included)	Yellow Conical Misting (TXVK-3)	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**
	Green Conical Misting (TXVK-4)	0.07	43	NR**	NR**	NR**	NR**	0.10	83	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**
	Red Conical Misting (TXVK-6)	0.11	43	NR**	NR**	NR**	NR**	0.14	74	0.15	84	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**
	Black Conical Misting (TXVK-10)	0.14	29	0.16	38	NR**	NR**	0.19	53	0.20	63	0.21	72	0.22	79	0.23	82	NR**	NR**	NR**	NR**
	Brown Conical Misting (TXVK-12)	0.15	23	0.18	30	0.19	37	0.21	44	0.23	53	0.25	61	0.26	69	0.27	79	NR**	NR**	NR**	NR**
	Cloud Burst (9-Nozzle Cluster)	NR**	NR**	NR**	NR**	NR**	NR**	0.11	90	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**	NR**