

Table 1. Summary statistics and mean (minimum and maximum) number of applications of fungicides by type for hop growers in Oregon during 2014 to 2017

Variable (form)	Total				Synthetic	Non-synthetic	Mixture	F-test ^a
	Mean	St. Dev.	Min	Max		Mean \pm SD (range)		
Spray date (days from New Year's Day)	147.1	23.4	64	187	160 \pm 18 (117~187)	138 \pm 22 (64~187)	163 \pm 15 (128~186)	256.5***
First spray date (days from New Year's Day)	120.9	17.7	64	183	127 \pm 21 (64~183)	119 \pm 17 (64~159)	121 \pm 14 (66~157)	26.0***
Disease incidence (proportion)	0.08	0.2	0	1	0.06 \pm 0.18 (0~1)	0.05 \pm 0.17 (0~1)	0.17 \pm 0.28(0~1)	39.1***
Disease incidence in May (proportion)	0.005	0.03	0	0.38	0.0046 \pm 0.03 (0~0.38)	0.004 \pm 0.02 (0~0.38)	0.007 \pm 0.03 (0~0.38)	1.7
Flag shoot incidence (proportion)	0.0002	0.003	0	0.08	0.00008 \pm 0.001 (0~0.03)	0.0003 \pm 0.003 (0~0.08)	0	1.8
Previous flag shoot incidence (proportion)	0.0002	0.003	0	0.08	0.00029 \pm 0.0029 (0~0.03)	0.0002 \pm 0.003 (0~0.08)	0.00009 \pm 0.0009 (0~0.012)	0.4
Pruning thoroughness (1 to 5)	2.9	1.5	1	5	3.4 \pm 1.5 (1~5)	2.8 \pm 1.5 (1~5)	2.9 \pm 1.3(1~5)	20.9***
Susceptibility V6 strains (0 to 5)	2.8	1.3	0	5	2.6 \pm 1.3 (0~5)	2.8 \pm 1.3 (0~5)	3.2 \pm 1.2(0~5)	16.3***
Susceptibility non-V6 strains (0 to 4)	1.8	1.5	0	4	2.1 \pm 1.4 (0~4)	1.7 \pm 1.5 (0~4)	1.7 \pm 1.6(0~4)	7.2***
N	1585				342	975	268	

^a F-tests indicate a difference in means between the groups Synthetic, Non-Synthetic, and Mixture based on an ANOVA. Asterisks indicate statistical significance at $P \leq 0.01$.