

## Supplemental Materials

**Supplemental Table 1.** Products and active constituents applied in Oregon hop yards during 2014 to 2017 for suppression of powdery mildew and estimate price in real cost in 2022

Product	Active	Unit	Price (\$)
Accrue	Spiroxamine	ounce	1.39
Copper-Count-N	Copper diammonia diacetate complex	fluid ounce	0.23
Flint	Trifloxystrobin	ounce	10.88
Folpan	Folpet	pound	0.29
Kaligreen	Potassium bicarbonate	pound	0.77
Kocide 2000	Copper hydroxide	pound	0.68
Luna Sensation	Fluopyram + trifloxystrobin	fluid ounce	8.99
Milstop	Potassium bicarbonate	pound	0.78
NORDOX 75 WG	Cuprous oxide	pound	0.49
Omni Oil Supreme	Mineral oil	fluid ounce	0.10
Pristine	Boscalid + pyraclostrobin	ounce	4.25
Procure 480SC	Triflumizole	fluid ounce	4.86
Quintec	Quinoxifen	fluid ounce	4.75
Rally 40WSP	Myclobutanil	ounce	3.57
Regalia	<i>Reynoutria sachalinensis</i>	fluid ounce	0.63
Special Carb	Potassium bicarbonate	pound	0.86
Sulfur (various)	Sulfur	ounce	0.08
Superior Spray Oil	Mineral oil	fluid ounce	0.11
TriTek	Mineral oil	fluid ounce	0.10
Velum Prime	Fluopyram	fluid ounce	10.04
Vivando	Metrafenone	fluid ounce	2.48
Westlink Crop Oil	Mineral oil	fluid ounce	0.14