

# Pesticides – How to Enter values per substance

## Context for the example

- **Location:** Central Valley, California
  - **Grape varieties:** Zinfandel, Merlot, Syrah, Cabernet Sauvignon
  - **Production system:** Conventional, IPM-based (with some organic products mixed in)
  - **Main disease pressure:** Powdery mildew
  - **Main weed pressure:** Under-vine weeds
  - **Main insect pressure:** Leafhoppers, mites, moth larvae
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## 1. Fungicides, Conventional

**Product:** Pristine® WG

- **Active substances:** Boscalid 38.5 % + Pyraclostrobin 12.8 %
    - **Total percentage active substance:**  $38.5 + 12.8 = 51.3$  %
  - **Total product applied:** 1.2 kg/ha/yr
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**Product:** Rally® 40WSP

- **Active substance:** Myclobutanil 40 %
  - **Total product applied:** 0.5 kg/ha/yr
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**Product:** Micronized Sulfur

- **Active substance:** Elemental sulfur 80 %
  - **Total product applied:** 10.0 kg/ha/yr
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## 2. Herbicides, Conventional

**Product:** Roundup PowerMAX®

- **Active substance:** Glyphosate (as salt) 48 %
  - **Total product applied:** 2.5 kg/ha/yr
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## 3. Oils and plant extracts, Organic

**Product:** Entrust® SC

- **Active substance:** Spinosad 22.5 %
- **Total product applied:** 0.6 kg/ha/yr

#### 4. Mineral-Based Pesticides, Organic

**Product:** Copper Hydroxide (e.g. Kocide® 3000)

- **Active substance:** Copper hydroxide 46 %
- **Total product applied:** 1.0 kg/ha/yr

#### Summary table – What data to enter in the CarbonCloud platform

Product Name	Type of Pesticide	Amount (kg/ha/yr)	% AS
Pristine WG	Fungicides, Conventional	1.2	51.3%
Rally 40WSP	Fungicides, Conventional	0.5	40%
Micronized sulfur	Fungicides, Conventional	10.0	80%
Roundup PowerMAX	Herbicides, Conventional	2.5	48%
Entrust SC	Oils and plant extracts, Organic	0.6	22.5%
Copper hydroxide	Mineral-based Pesticides, Organic	1.0	46%