



Questions? Contact: Rory Crowley (530) 781-4994  
Or visit [ProjectApism.org/seeds-for-bees](http://ProjectApism.org/seeds-for-bees)



Sources: Kamprath Seed, Inc.

### **PAm Pollinator Brassica Mix**

25% Canola, *Brassica napus*

20% 'Bracco' White Mustard, *Sinapis alba* or *Brassica hirtum*

15% 'Nemfix' Yellow Mustard, *Brassica juncea*

20% Diakon Radish, *Raphanus sativus*

20% Common Yellow Mustard, *Brassica hirtum* or *Sinapis alba*

#### **Seed Rate:**

12 lbs/acre for broadcast planting

8 lbs/acre for drill planting

**Ground Preparation:** Ideal conditions for germination is seed planted at a depth no greater than 1/4 inch in continually moist soil. The best method for planting is direct seeding with drill equipment. Most soil conditions are conducive for drill planting without ground prep. Very heavy/clay soils may need to be worked up if drill is struggling to penetrate the soil surface. If broadcast seeding is the only option then a fine seed bed is desirable since most of the seeds are very small (like alfalfa). If broadcasting into loose/sandy soil skipping ground prep may be acceptable. If working with heavy/clay soils first use a shallow (3-5 inches) disk or spring-tooth harrow to work up the soil, then plant seed with a broadcaster, then cultipack with a ring roller, which covers the seed by pushing it into the ground. Dragging a piece of chain-link fence behind an ATV or tractor can also be sufficient. The seed should be covered so it can remain moist.

**Planting Methods:** Use a grain drill, no till drill, broadcaster, or even a hand-held broadcaster on small areas to evenly distribute the seed.

**Timing:** Planting Sept. 10 through Nov. 10, while soil is still warm (above 55°) is an appropriate time to plant any cover crop in California. However, to ensure the cover crop will bloom before almonds it must be sown and germinated before November 1. To accomplish this plant and irrigate in early October. Plant between tree rows, fence lines, fallow areas, where trees are being taken out of production, and in orchard margins or borders.

**Emergence/Visible:** 6 – 8 days

**Bloom:** January – March, 90 days - Canola will be the first to bloom

**Management:** Ideally it should be mowed or disked after the stand stops blooming. If reseeding is desired leaving plants intact until May/June may be necessary. This date will vary depending on planting date and local climate.