

# Establishing Pollinator Habitats Organically

March 9, 2017



South Killingly, CT  
Virginia Keith, Owner

## Pollinator Habitat Benefits

“Increased habitat for pollinators will improve fruit set, size and quality, productivity per acre, biodiversity, beneficial insect populations, and the food base for many wildlife species. The increased plant diversity of pollinator habitat will enhance wildlife habitat and may increase populations of other beneficial insects, reducing the need for pesticides.” NRCS.

Blueberry Hill Organic Farm has observed significant improvement in fruit set, size and quality, as well as a noticeable reduction in pest populations since the establishment of pollinator plantings at the farm.

Two pollinator habitats were planted in 2013 using an Earthway Seeder, planting 2' rows and mulching with straw. This planting had a high rate of germination and establishment. By the second year the majority of species in the mix had germinated successfully and produced a mature growth habit with full bloom. Another habitat was planted in 2016 using a broadcast spreader and no mulch applied. The broadcast planting was dominated with primarily Coreopsis and did not have the plant diversity of the row-method plantings.

## Blueberry Hill Organic Farm .2 acre Pollinator Planting Budget; \$288/.2 acre

Grant Reimbursement Funds Provided by NRCS, EQUIP Grant; \$585/acre

**Seeds;** Northeastern Pollinator mix with Wild Lupine

Ernst Seeds; Xerces Northeastern Pollinator Conservation Seed Mix \$81.90/lb,  
recommended rate of 8lbs/acre

Eden Brothers; Wild Perennial Lupine Seed \$19.95/1/4 lb, recommended rate of 1 lb/acre

**Seeder;** Nolts Produce Supplies; Earthway Seeder \$87.00

**Mulch;** Straw; \$7/bale, 10 bales

1 lb of the Pollinator seed, ¼ lb of the Lupine Seed, approximately 10 bales of straw was used for .2 acres, requiring approximately 4 hours of labor

### **Pollinator Habitat; 2' – Row Planting Procedures;**

#### **Contacted;**

NRCS and applied for EQUIP grant to include Pollinator Habitat Planting

#### **Purchased;**

-Xerces Society Northeastern Pollinator Conservation Seed from Ernst Conservation Seed Co., [www.ernstseed.com](http://www.ernstseed.com) or 800-873-3321

-Wild Perennial Lupine seed from Eden Brothers, [www.edenbrothers.com](http://www.edenbrothers.com)  
828-633-6338

-Earthway Seeder from Nolts Produce Supplies; [www.noltsproducesupplies.net](http://www.noltsproducesupplies.net), 717-656-9764

#### **Preparation;**

-Scarified Lupine seed with plastic jar and sand paper and added to Pollinator seed mix

-Turned soil with Troybilt tiller

-Raked out large clumps, rocks

#### **Planting , Mulch, Care;**

-Seeded in late April/early May using Earthway seeder and cucumber or popcorn plate, rows at 2' apart, approximately ¼ " deep

-Seeded just before rain

-Mulched with straw between rows

-Watered as needed to establish

-Mowed 1/3 in late fall

Notes; Soil pH was approximately 5.8, second and third year pollinator planting provided constant bloom from late May through late October

### **Pollinator Habitat; Broadcast Planting Method**

Turned the soil with tractor and rotovator

Hand broadcast the Xerces Northeastern Pollinator Mix at a rate of approximately 1 lb per acre before a rainfall. Did not follow up with mulch or watering.