

# Baldwin Ranger District Pollinator Gardens on the Huron Manistee National Forest

## 2009 Accomplishments

This project was initiated in 2006 to obtain native lupine seed for Endangered Karner Blue Butterfly restoration on the Baldwin Ranger District. Initially 5 acres of lupine and other nectar plants were planted at the Chittenden Nursery to form a permanent seed production source for restoration seed. The project was expanded in 2007 to include educational native plant pollinator gardens at 4 other sites. In 2008 a garden was planted at a recreation trailhead. Another recreation trailhead was planted in 2009, bringing a total of 6 demonstration sites planted. Two sites have large interpretive signage. In 2009 small signage was developed for the remaining gardens.

In 2009, funds were expended on weed control at all of the sites. Plant/pollinator talks were given and volunteers recruited for weeding and seed collection. About 7 lbs of cleaned and uncleaned seed was collected from 33 nectar species. Seed bins were developed at the District, and a refrigerator obtained for cold storage. Remaining seed storage funding went to a small greenhouse for improvement of plant plug production for spring out-planting. Thirty plug tray units were planted with lupine seed in February and planted out in Karner blue butterfly restoration sites in mid summer. FY2010 will focus on expanded nectar plug production and seeding in Karner Blue Butterfly and other restoration habitats on the District.



Figure 1. Weeding Lupine/Nectar Plant Pollinator site at Chittenden.



Figure 2. Tania Hanline sorting collected native seed.

Year Awarded: initial award in 2006

Project completion: ongoing

Report number: 4

Expenditures (through 9/2009):

FY06 funding \$28,800, expend. \$11,721 \$17,079 remaining

▪FY07 carryover funding \$17,079, expend \$17,079; \$0 remaining

▪FY08 funding \$10,392, expend. \$10,392; \$0 remaining

▪FY09 funding \$15,000, expend \$15,000; \$0 remaining

▪**Total funding \$54,192, total expend \$54,192;**

▪**\$0 total remaining**

Partners: Michigan Garden Clubs

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**Huron Manistee National Forest**  
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