

Reprinted with permission from: 1995 Leafy Spurge Symposium. Fargo, North Dakota. July 25-27, 1995. p. 39-40.

Sponsored by: Great Plains Agriculture Council and North Dakota State University.

PPQ insectary sites in North Dakota

KEITH WINKS

USDA, APHIS, PPQ, PO Box 2157, Bismarck, North Dakota 58502

PPQ insectary sites began in 1989. We started with two caged sites. The first releases made were with *nigriscutis* at one site and *cyparisiae* and *flava* at the other site. Neither one of these sites had done particularly well, but some insects were found at both sites before we terminated the sites. In 1990 we did releases at 15 sites. Several of these sites are producing where collections are now being made.

One of the 1990 sites is a *flava* site and is a producing insectary. This year the site was grazed to almost nothing by sheep. There was no spurge showing. We thought the site was lost. In July, the spurge started to grow back. We sampled the site and *flava* was found in large enough numbers so we were able to collect several thousand beetles.

We have six APHIS insectary sites that we could have made collections from this year. Due to the tremendous number of insects at the Valley City and Minot sites most of our resources were directed at these two sites. 99% of the insects were collected from these two sites. We helped collect and distribute approximately 2 1/2 million insects this year. This included *nigriscutis*, *czwalinae*, and *flava*. This work was accomplished at four field days from 6-29 through 7-12. The insects were given to county weed boards, state and federal agencies, and some private individuals.

Everyone wants beetles. However, everyone must realize this is an integrated approach and all the tools available to combat leafy spurge should be used.

APHIS has 41 insectaries. We will drop 17 sites. They are not producers. If our co-operators want to maintain these insectaries they can.

This is a great program to be involved with. Fifteen years ago many people were in despair. They thought there was no hope. Now they have smiles on their faces. With all the tools that are coming into place, leafy spurge will not be a major problem in the future.

Field day activities – 1995

Gladstone	6-29-95	376,000 <i>Nigriscutis</i> 130,000 <i>Czwalinae</i> 506,000 Total
Mandan	6-28-95	253,000 <i>Nigriscutis</i> 158,000 <i>Czwalinae</i> 411,000 Total
Minot	7-6-95	759,600 <i>Nigriscutis</i> Total
Valley City	7-12-95	64,000 <i>Nigriscutis</i> 678,000 <i>Czwalinae</i> 742,000 Total
		2,418,600 Total Redistribution

PPQ sites harvest 1995

<i>Nigriscutis</i>		
Stark County - Gladstone	6-29-95	15,000
	7-10-95	5,000
Morton County - GMA	6-14-95	5,000
	7-10-95	65,000
Sioux County	7-18-95	20,000
<i>Flava</i>		
Burleigh County	7-17-95	10,000
	7-10-95	4,000

1995 PPQ Distribution

48 Counties Total
 Missing: Divide
 Cavalier
 Grand Forks
 Pierce
 Ramsey
 10 Government Agencies