Section III
Biological & Cultural Controls

BIOLOGICAL CONTROL PROJECT FOR CEREAL LEAF BEETLE, OULEMA MELANOPUS LINNAEUS, SUPPRESSION IN IDAHO

B. Simko
Idaho State Department of Agriculture
Division of Plant Industries
P.O. Box 790
Boise, Idaho 83701
208/332-8620
bsimko@idahoag.us

B. Brown
University of Idaho
Parma Research and Extension Center
29603 U of I Lane
Parma, Idaho 83660
208/722-6701
bradb@uidaho.edu

CLB was detected in Lewis, Nez Perce and Latah counties for the first time in 2004. Five fields were survey in Benewah County but no CLB was detected. Surveys in Shoshone and Clearwater counties were also negative for CLB establishment. Biocontrol agent releases were made of the larval parasite, Tetrastichus julis, at new site in Kootenai County outside of Post Falls ID. A new establishment record for this biological control agent was recorded in Boundary County in 2004. A survey conducted on June 23 found a T. julis parasite level of 8% in the CLB larval sample from that county. A larval sample collected June 24, from a wheat field in Canyon County, near Kuna, ID had a T.julis parasite level of 56%. A field insectary for the egg parasite Anaphes flavipes was initiated this spring at the University of Idaho, Parma Research and Extension Center, Parma, Idaho with cooperation from the University of Idaho and USDA, PPQ. Four releases of egg parasites shipped in from the USDA, Niles Lab, Niles, Michigan, were made during the peak CLB egg-laying period (April 27, May 11, May 19, and May 26). Follow up surveys will be conducted spring of 2005 to determine if the egg parasite successfully established in the insectary field. Maps showing Idaho counties positive for CLB and T. julis larval parasite establishment are attached.

BIOLOGICAL CONTROL PROJECT FOR CREAT REAF BERTLE, BLARKE

B. Strako

Idairo Strako Deperturani of Agricul into

Division et Plantfüldustries

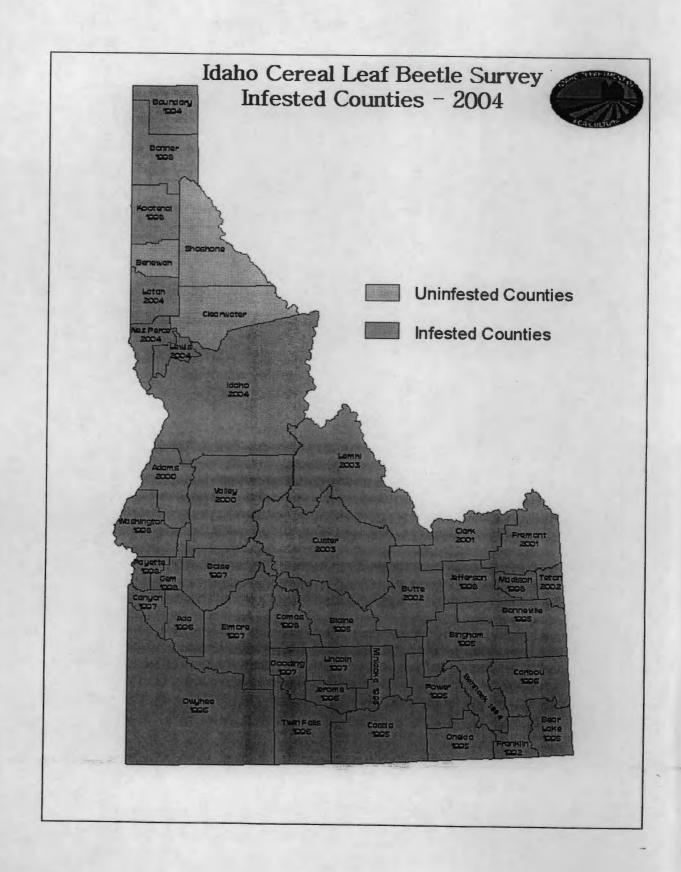
P.O. Box 130

Borse, Idales Kittor

Street 2 Kozo

H. Brown
University of Idailo
Parma Less arch and Examenin Carter
C7604 U 67 I Lanc
Parmi Jusho 83660
208/722-6791

CLB was delected in Lewis, her here and Later counter in the institute in 2004. Five distributed states and here are in Bookeys County but no Clifs was delected. Sievey in Stockhold and and Charriacker counties were that inequalive to CLB suspicionant. Eliconorbot agent represent flower from a new classic country of the country flower for the country of the country flower flower flower for the country of the country flower flower flower flower flower flower for the block real country agent was recorded in Science flower f



Idaho Cereal Lear Beetle Survey Infested Counties - 2004

3 - Unintested Counties

(Masted Country)

