

Reply to: 3400

Date: November 18 ,1992

Subject: Technology Development Needs (Bark Beetles)

To: Chief

The National Steering Committee for Bark Beetles met in Portland, OR on October 21-22. The Committee reviewed the status and progress of ongoing projects, then revised and developed needs and priorities for the following year. These are as follows:

RECOMMENDED NEW PROJECTS FOR 1993 TECHNOLOGY DEVELOPMENT

WESTERN BARK BEETLES

PRIORITY

PROJECT

- 1 Combinations of antiaggregation pheromones (verbenone and ipsdienol) to prevent infestations of ponderosa pine slash Ips paraconfusus and I. pini in California.
- 2 Developing a Hazard-rating system for Douglas-fir Beetle (Dendroctonus pseudotsugae).
- 3 Dispersal and flight periodicity of spruce beetles (Dendroctonus rufipennis) in Alaska.
- 4 Evaluating efficacy of verbenone plus ipsenol in preventing attacks by pine engraver (Ips pini) in ponderosa pine slash.
- 5 Effects of spruce beetle infestations and associated management prescriptions on moose and wildlife habitat in southcentral Alaska.
- 6 Use of pheromones to protect fire-injured lodgepole pine from mountain pine beetle (Dendroctonus ponderosae) infestations.
- 7 Flight periodicity of roundheaded pine beetle (Dendroctonus adjunctus) and the inhibition of roundheaded beetle attractant by various blends of verbenone in the Sacramento Mountains in southern New Mexico.

- 8 Determine effectiveness of 20 and 40 verbenone capsules per acre in reducing mountain pine beetle (Dendroctonus ponderosae) infestations in lodgepole pine.
- 9 Use of pheromones in push/pull strategy to manage mountain pine beetle (Dendroctonus ponderosae) populations in lodgepole pine forests.
- 10 Field test ipsenol and methyl butenol as antiaggregants of Ips perturbatus in spruce slash.

One additional potential project that was not discussed during the Bark Beetle Steering Committee meeting, but has the support of a number of the members, is a Revision of the Insect and Disease Damage Survey System (INDIDS): Conversion to the PC Platform.

SOUTHERN PINE BEETLE

<u>PRIORITY</u>	<u>PROJECT</u>
1	Manipulation of Southern Pine Beetle Infestations (Extension of TDP R8-90-A)
2	Southern Pine Beetle Demonstration Area Project (Extension of TDP R8-90-2C)

A report of the meeting will be prepared. The Committee reviewed the strategic plans that were developed for individual bark beetles. A Strategic Plan will be completed during the next meeting of the Committee in February in Salt Lake City.

/s/ Iral Ragenovich

IRAL RAGENOVICH
Acting Chairperson

cc:
Bark Beetle Steering Committee
Mel Weiss, WO/FPM