Section II
Bee Poisoning, Environmental Toxicology, Regulatory Issues

## WASHINGTON STATE COMMISSION ON PESTICIDE REGISTRATION

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In response to the unmet pest management needs, the Washington legislature unanimously voted to create the Washington State Commission on Pesticide Registration (WSCPR) in 1995. The purpose of the Commission was to obtain and maintain pesticide registration for minor uses and minor crops in Washington State. The Commission was to be made up of 12 voting members from various stakeholder groups and 5 public sector state agencies. The Commission was given a \$500,000 budget. In 1999, the WSCPR's mandate was expanded to cover all aspects of integrated pest management. Accordingly, the budget of the Commission was expanded.

Since its inception, the Commission has funded more than 400 projects impacting approximately 100 crops. The past, present and expected economic impact of these projects is estimated to be more than \$1 billion. The primary recipient of WSCPR funds has been Washington State University, which has received in excess of 66% of Commission funds. University of California – Davis has been the second largest recipient of funds, followed by Oregon State University. Private entities have received less than 5% of Commission funds.

The Commission continues to seek out worthwhile projects. Proposals must be submitted by a group, formally structured or not, that controls pests. Universities, researchers and extension specialists are not qualified to submit proposals, but may do so on behalf of a requesting group. Anyone wishing to submit a proposal to the Commission should first carefully review its Request for Proposals, which may be found at <a href="https://www.wscpr.org">www.wscpr.org</a>.

October 27, 2004 Yakima Meeting

| /SCPR # Commodity       | Chemical or Pest          | Project Type | Researcher<br>and<br>Institution | Old<br>Mandate       | New<br>Mandate | Matching<br>in cash | Matching<br>in kind  | Total<br>Project Cost |
|-------------------------|---------------------------|--------------|----------------------------------|----------------------|----------------|---------------------|--|-----------------------|
| AN001 Apple             | Post Harvest Codling Moth | Quarantine   | Neven / USDA                     |                      | 15,090         | 15,090              | 15,090   | 45,270                |
| PN002 Forestry          | Spray Drift               | E            | Ice/ NCASI                       |                      | 49,246         | 105,000             | 70,500   | 224,746               |
| AN003 Grapes            | Mites and Leafhoppers     | IPM          | James/ WSU                       |                      | 15,056         | 15,056              |  | 30,112                |
| AN004 Hops              | Mites and Leafhoppers     | IPM          | James/ WSU                       |                      | 15,056         | 15,056              |  | 30,112                |
| PN005 Onion Seed        | Virus and thrips          | E/P          | duToit/ WSU                      | 9,852                |                | 7,500               | 1,300  | 18,652                |
| PN006 Carrot seed       | Bacterial Blight          | E/ IPM       | duToit/ WSU                      | 6,800                | 1,700          | 5,000               | 500  | 14,000                |
| PG007 Hops              | Spider Mite and Weed      | R            | Walsh / WSU                      |                      | 25,940         | 25,200              | Constitution of the Consti | 51,140                |
| AN008 Wheat             | Aphids/ BYDV              | IPM          | Pike / WSU                       |                      | 14,001         | 14,928              |  | 28,929                |
| AN009 Organic Vegetable | s Weeds                   | IPM          | Miles / WSU                      |                      | 14,691         | 14,691              | MEN.S  | 29,382                |
| PG010 Potato            | Spider Mite / Hexythlazox | R            | Hebert / WSU                     | 6,400                |                | 6,400               |  | 12,800                |
| AN011 Wine grapes       | Imazethapyr               | persistance  | Ball / OSU                       | 17,150               |                |                     | 500  | 17,650                |
| PN012 Stonefruit        | Peach Twig Borer          | E / IPM      | Walsh / WSU                      | 25,238               | 8,412          | 33,500              | 2,400  | 69,550                |
| AN013 Stonefruit        | Thrips                    | E/IPM        | Walsh / WSU                      | 5,950                | 13,884         | 15,000              | 2,000  | 36,834                |
| PN014 Poplar            | Carpenterworm             | E / IPM      | Walsh / WSU                      | 21,016               | 21,017         | 41,177              | 89,600   | 172,810               |
| AN015 Alfalfa Seed      | Lygus                     | E/IPM        | Walsh / WSU                      | 9,350                | 9,350          | 19,500              | 500  | 38,700                |
| PN016 Grapes            | Pyrethroids               | E/IPM        | Walsh / WSU                      | 8,773                | 8,773          | 34,863              |  | 52,409                |
| PN017 Mint              | Caterpillar Control       | E/IPM/PR     | Walsh / WSU                      | 7,500                | 7,500          | 17,000              | 1,000  | 33,000                |
| PN018 Bulbs             | Weeds                     | E/P          | Miller / WSU                     | 3,150                |                | 3,000               | 150  | 6,300                 |
| 97 - 632                |                           |              |                                  | 121,179              | 219,716        | 387,961             | 183,540  | 912,396               |
| NOTE BUIDS              |                           | VVeeds       | Weeds E/P                        | Weeds E/P Miller/WSU |                |                     | 3,000  | 5,000                 |

## Portland, Oregon Meeting January 4 and 5, 2005

| #  | WSCPR#  | Commodity          | Chemical or Pest   | Project Type | Researcher<br>and<br>Institution | Old<br>Mandate | New<br>Mandate | Matching<br>in cash | Matching in kind | Total<br>Project Cost |
|----|---------|--------------------|--------------------|--------------|----------------------------------|----------------|----------------|---------------------|------------------|-----------------------|
| 19 | 05AN019 | Potatoes           | Wireworm           | IPM          | Horton / USDA-ARS                |                | 15,400         | 19,300              |                  | 34,700                |
| 20 | 05PN020 | Mint               | Weeds              | E,P          | Boydston / USDA                  | 4,000          |                | 12,889              |                  | 16,889                |
| 21 | 05PN021 | Snap Beans         | Weeds              | E,P          | Boydston / USDA                  | 3,000          |                | 2,000               | 100              | 5,100                 |
| 22 | 05AN022 | Pest Controllers   | Ants               | IPM, O       | Hansen / SFCC                    |                | 3,132          |                     | 3,132            | 6,264                 |
| 23 | 05AN023 | Red Raspberries    | Various pests      | Equipment    | Nicholson / WSU                  | 1,178          | 2,750          | 3,000               |                  | 6,928                 |
| 24 | 05AN024 | Pest Controllers   | WDOs               | IPM          | Foss / WSU                       | 4-1-1-         | 11,990         | 20,504              | 5,383            | 37,877                |
| 25 | 05AN025 | Tree Fruit         | Leafrollers        | E, IPM, PR   | Brunner / WSU                    | 6,152          | 18,453         | 25,898              |                  | 50,503                |
| 26 | 05AN026 | Red Raspberries    | Root Rot           | IPM          | MacConnell/WSU                   |                | 30,000         | 10,000              |                  | 40,000                |
| 27 | 05PN027 | Peas/Limas         | Disease            | E, IPM       | Hamm / OSU                       | 6,000          | 6,000          | 6,000               |                  | 18,000                |
| 28 | 05AN028 | Carrot             | Disease            | E,IPM,PR     | Hamm / OSU                       | 1,800          | 7,200          | 5,000               |                  | 14,000                |
| 29 | 05AN029 | Grass seed         | Disease            | E, IPM       | Hamm / OSU                       | 2,800          | 5,200          | 8,000               |                  | 16,000                |
| 30 | 05PN030 | Cranberry          | Multiple Pests     | E, P, IPM    | Patten/Bristow/WSU               | 18,800         |                | 18,170              | 7,800            | 44,770                |
| 31 | 05PN031 | Oyster             | Burrowing Shrimp   | E, IPM       | Patten / WSU                     | 19,286         | 4,821          | 18,467              | 1,000            | 49,074                |
| 32 | 05AN032 | Wheat              | Weeds/Disease      | IPM          | Gallagher / WSU                  |                | 14,000         | 14,000              |                  | 28,000                |
| 33 | 05AN033 | Hops               | Mites and Aphids   | IPM          | James/ WSU                       |                | 4,037          | 4,037               |                  | 8,074                 |
| 34 | 05AN034 | Hops               | Hop Looper         | IPM          | James/ WSU                       |                | 7,293          | 7,293               |                  | 14,586                |
| 35 | 05AN035 | Tree Fruit         | Weather System     | IPM          | Pierce/Elliot/WSU                |                | 35,000         | 115,022             |                  | 150,022               |
| 36 | 05AN036 | Potatoes           | Potato Tuber Moth  | E, IPM       | Hamm / OSU                       | 5,381          | 9,994          | 38,050              |                  | 53,425                |
| 37 | 05PN037 | Christmas Trees    | Root Aphids        | E            | Stark / WSU                      | 7,782          |                | 7,782               |                  | 15,564                |
| 38 | 05PN038 | Christmas Trees    | Disease            | E, P         | Chastagner/Hansen                | 13,242         |                | 26,374              |                  | 39,616                |
| 39 | 05PN039 | Apple              | Rot                | E, IPM       | Chang-Lin Xiao                   | 10,080         | 2,520          | 13,372              |                  | 25,972                |
| 40 | 05AN040 | Butterflies        | Herbicides         | IPM          | Schultz / WSU                    | 100            | 18,164         | 17,969              | 4,866            | 40,999                |
| 41 | 05PN041 | Asparagus          | Aphids/ Weeds      | E, P         | Schreiber/ ADG                   | 26,500         |                | 26,500              | 4,500            | 57,000                |
| 42 | 05AN042 | Grains             | Cereal Leaf Beetle | IPM          | Miller/Pike/Roberts              |                | 6,980          | 15,592              |                  | 23,072                |
| 43 | 05AN043 | Organic Vegetables | Green Peach Aphid  | IPM          | Miller/Pike/Snyder               |                | 7,400          | 9,800               |                  | 17,200                |
| 44 | 05PN044 | Dill Growers       | Weed Control       | E, P         | Schreiber/ ADG                   | 6,000          |                | 3,000               |                  | 9,000                 |
| 45 | 05PN045 | Bean Seed          | Leafhoppers        | E, P         | Schreiber / ADG                  | 3,500          |                | 2.500               |                  | 6,000                 |

|    |         |                 |  |              | Total Requested:       | \$518,489 | Total Match \$931,403 |           |                |            |
|----|---------|-----------------|--|--------------|------------------------|-----------|-----------------------|-----------|----------------|------------|
|    |         |                 | COLUMN TO SERVICE SERV | FY 2005 Pro  | posed Projects Totals: | 198,031   | \$320,458             | \$564,223 | \$367,180      | \$1,881,48 |
|    | F172    |                 | The second secon |              |                        |           |                       | 564,223   | 116,781        | 1,205,101  |
| 59 | 05PN059 | Blueberries     | Aphids/Root Weevils  | E            | Tanigoshi / WSU        | 3,775     |                       | 3,775     |                | 7,550      |
| 58 | 05PN058 | Peas/Lentils    | Broadleaf Weeds  | E, P, IPM, O | Yenish/ WSU            | 7,500     | 2,500                 | 5,000     | and the second | 15,000     |
| 57 | 05PN057 | Grass seed      | Weeds  | E, P         | Ball / OSU             | 14,500    | 12 5 3 12             | 15,150    |                | 29,650     |
| 56 | 05AN056 | Apples          | Thrips   | IPM          | Horton / WSU           |           | 10,000                | 15,000    |                | 25,000     |
| 55 | 05AN055 | Oysters         | Burrowing Shrimp   | IPM, O       | Booth/Cheney/ PSI      |           |                       |           |                |            |
| 54 | 05PN054 | Beet/Chard Seed | Weed Control   | E, P         | Miller/ WSU            | 4,340     |                       | 3,280     |                | 7,620      |
| 53 | 05PN053 | Blueberries     | Weed Control   | E, P, IPM    | Miller/ WSU            | 1,790     | 1,790                 | 3,564     |                | 7,144      |
| 52 | 05AN052 | Oysters         | Herbicide Toxicity   | 0            | Grue                   |           | 13,890                | 2,250     | 21,403         | 37,543     |
| 51 | 05AN051 | Bees            | Mites  | IPM          | Sheppard / WSU         |           | 16,660                |           | 14,000         | 30,660     |
| 50 | 05AN050 | Bees            | Mites  | IPM          | Sheppard / WSU         | 2,977     | 11,907                | 2,000     | 6,000          | 22,884     |
| 49 | 04AN049 | Carrots         | Carrot Rust  | IPM          | Muehleisen/Riga        |           | 15,615                |           | 15,500         | 31,118     |
| 48 | 05PN048 | Concord Grapes  | Thrips   | E, IPM       | Walsh / WSU            | 5,148     | 572                   | 9,000     |                | 14,828     |
| 47 | 05AN047 | Potato          | Green Peach Aphid  | IPM          | Pike/ Rayapati         |           | 29,690                | 24,685    | 20,347         | 74,72      |
| 46 | 05PN046 | Nursery         | Structural Pests   | E, IPM, PR   | Walsh / WSU            | 22,500    | 7,500                 | 30,000    | 12,750         | 72,750     |

Key: E-Efficacy Trial; E. Fate-Environmental Fate; IPM-Integrated Pest Manageme P-Phytotoxicity PR- Pesticide Resistance R- Residue B-Biocontrol O-Other