

# PEST MANAGEMENT PRACTICES

## PEST MANAGEMENT PRACTICES, PERCENT OF ACRES RECEIVING PRACTICE INDIANA

| Practice   | 2002    |          | 2000      |             |           |                 |
|--|---------|----------|-----------|-------------|-----------|-----------------|
|  | Corn    | Soybeans | All Wheat | Alfalfa Hay | Other Hay | All Other Crops |
|  | Percent |          | Percent   |             |           |                 |
| <b>Prevention Practices:</b>                                     |         |          |           |             |           |                 |
| Tillage/etc. To manage pests                                     | 36      | 26       | 55        | 35          | 29        | 43              |
| Remove or plow down crop residue                                 | 11      | 7        | 33        | 12          | 11        | 23              |
| Clean implements after fieldwork                                 | 29      | 15       | 62        | 38          | 22        | 58              |
| Water management practices                                       | 16      | **       | 13        | 12          | 11        | 10              |
| <b>Avoidance Practices:</b>                                      |         |          |           |             |           |                 |
| Crop varieties genetically modified to resist insects            | 7       |          |           |             |           | 1               |
| Adjust planting/harvesting dates                                 | 4       | 1        | 35        | 14          | 5         | 35              |
| Rotate crops to control pests                                    | 75      | 70       | 78        | 37          | 15        | 72              |
| Alternate planting locations                                     | 7       | 3        | 35        | 11          | 6         | 40              |
| Grow trap crop to control insects                                |         |          | 3         | **          | **        | 4               |
| <b>Monitoring Practices:</b>                                     |         |          |           |             |           |                 |
| Scouted for pests  | 27      | 3        | 48        | 38          | 21        | 55              |
| Records kept to track pests                                      | 15      | 10       | 22        | 10          | 8         | 26              |
| Field mapping of weed problems                                   | 18      | 17       | 28        | 13          | 5         | 28              |
| Soil analysis to detect pests                                    | 15      | 18       | 13        | 8           | 2         | 13              |
| Pheromones to monitor pests                                      |         |          | **        | **          | *         | 3               |
| Weather monitoring   | 4       | 34       | 33        | 14          | 7         | 36              |
| <b>Suppression Practices:</b>                                    |         |          |           |             |           |                 |
| Crop varieties genetically modified<br>to be herbicide resistant | 6       | 83       |           |             |           | 2               |
| Scouting used to make decisions                                  | 12      | 11       | 30        | 16          | 4         | 32              |
| Biological pesticides  | 2       |          | 8         | 2           | 3         | 6               |
| Beneficial organisms   |         |          | 2         | 3           | 6         | 4               |
| Physical barriers  | 3       | 3        | 34        | 15          | 13        | 32              |
| Adjust planting methods  | 4       | 12       | 12        | 2           | 5         | 22              |
| Alternate pesticides   | 35      | 16       | 43        | 16          | 8         | 45              |
| Pheromones to disrupt mating                                     |         |          | *         | **          | *         | *               |
| ** Less than 1 percent   |         |          |           |             |           |                 |
| * Insufficient data  |         |          |           |             |           |                 |

# PEST MANAGEMENT PRACTICES

## PEST MANAGEMENT PRACTICES, PERCENT OF FARMS UTILIZING PRACTICE INDIANA, (Continued)

| Practice   | 2002    |          | 2000      |             |           |                 |
|--|---------|----------|-----------|-------------|-----------|-----------------|
|  | Corn    | Soybeans | All Wheat | Alfalfa Hay | Other Hay | All Other Crops |
|  | Percent |          | Percent   |             |           |                 |
| <b>Prevention Practices:</b>                                     |         |          |           |             |           |                 |
| Tillage/etc. To manage pests                                     | 35      | 23       | 46        | 37          | 37        | 36              |
| Remove or plow down crop residue                                 | 10      | 5        | 23        | 11          | 10        | 22              |
| Clean implements after fieldwork                                 | 27      | 17       | 48        | 35          | 28        | 38              |
| Water management practices                                       | 13      |          | 11        | 7           | 7         | 9               |
| <b>Avoidance Practices:</b>                                      |         |          |           |             |           |                 |
| Crop varieties genetically modified to resist insects            |         |          |           |             |           | **              |
| Adjust planting/harvesting dates                                 | 2       | 1        | 25        | 14          | 7         | 16              |
| Rotate crops to control pests                                    | 75      | 67       | 71        | 31          | 18        | 50              |
| Alternate planting locations                                     | 8       | 6        | 24        | 9           | 5         | 23              |
| Grow trap crop to control insects                                |         |          | 2         | **          | **        | 3               |
| <b>Monitoring Practices:</b>                                     |         |          |           |             |           |                 |
| Scouted for pests  | 25      | 6        | 38        | 31          | 17        | 39              |
| Records kept to track pests                                      | 13      | 13       | 14        | 6           | 4         | 11              |
| Field mapping of weed problems                                   | 12      | 11       | 21        | 11          | 6         | 15              |
| Soil analysis to detect pests                                    | 16      | 10       | 11        | 8           | 3         | 5               |
| Pheromones to monitor pests                                      |         |          | **        | **          | *         | 1               |
| Weather monitoring   | 2       | 26       | 23        | 11          | 7         | 17              |
| <b>Suppression Practices:</b>                                    |         |          |           |             |           |                 |
| Crop varieties genetically modified<br>to be herbicide resistant |         |          |           |             |           | 1               |
| Scouting used to make decisions                                  | 8       | 12       | 19        | 11          | 5         | 14              |
| Biological pesticides  | 2       |          | 4         | 2           | 3         | 5               |
| Beneficial organisms   |         |          | 2         | 2           | **        | 3               |
| Physical barriers  | 2       | 3        | 25        | 13          | 15        | 26              |
| Adjust planting methods  | 2       | 9        | 10        | 3           | 3         | 10              |
| Alternate pesticides   | 28      | 18       | 31        | 16          | 10        | 24              |
| Pheromones to disrupt mating                                     |         |          | *         | **          | *         | *               |

\*\* Less than 1 percent

\* Insufficient data