

# PEST MANAGEMENT PRACTICES

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

| Practice   | 2001    |          | 2000      |             |           |                 |
|--|---------|----------|-----------|-------------|-----------|-----------------|
|  | Corn    | Soybeans | All Wheat | Alfalfa Hay | Other Hay | All Other Crops |
|  | Percent |          | Percent   |             |           |                 |
| <b>Prevention Practices:</b>   |         |          |           |             |           |                 |
| Tillage/etc. To manage pests   | 25      | 41       | 55        | 35          | 29        | 43              |
| Remove or plow down crop residue   | 17      | 11       | 33        | 12          | 11        | 23              |
| Clean implements after fieldwork   | 16      | 32       | 62        | 38          | 22        | 58              |
| Water management practices   | 7       | 10       | 13        | 12          | 11        | 10              |
| <b>Avoidance Practices:</b>  |         |          |           |             |           |                 |
| Crop varieties genetically modified to resist insects                    | 6       |          |           |             |           | 1               |
| Adjust planting/harvesting dates   | 1       | 9        | 35        | 14          | 5         | 35              |
| Rotate crops to control pests  | 72      | 81       | 78        | 37          | 15        | 72              |
| Crop varieties genetically modified<br>to be pathogen/nematode resistant |         | 5        |           |             |           | *               |
| Alternate planting locations   | 11      | 11       | 35        | 11          | 6         | 40              |
| Grow trap crop to control insects  | **      | 1        | 3         | **          | **        | 4               |
| <b>Monitoring Practices:</b>   |         |          |           |             |           |                 |
| Scouted for pests  | 47      | 38       | 48        | 38          | 21        | 55              |
| Records kept to track pests  | 12      | 17       | 22        | 10          | 8         | 26              |
| Field mapping of weed problems   | 18      | 17       | 28        | 13          | 5         | 28              |
| Soil analysis to detect pests  | 4       | 19       | 13        | 8           | 2         | 13              |
| Pheromones to monitor pests  | 1       | **       | **        | **          | *         | 3               |
| Weather monitoring   | 7       | 21       | 33        | 14          | 7         | 36              |
| <b>Suppression Practices:</b>  |         |          |           |             |           |                 |
| Crop varieties genetically modified<br>to be herbicide resistant         | 6       | 78       |           |             |           | 2               |
| Scouting used to make decisions  | 9       | 11       | 30        | 16          | 4         | 32              |
| Biological pesticides  | 3       | 1        | 8         | 2           | 3         | 6               |
| Beneficial organisms   | **      | 1        | 2         | 3           | 6         | 4               |
| Physical barriers  | 1       | 6        | 34        | 15          | 13        | 32              |
| Adjust planting methods  | 1       | 8        | 12        | 2           | 5         | 22              |
| Alternate pesticides   | 30      | 34       | 43        | 16          | 8         | 45              |
| Pheromones to disrupt mating   | 1       | **       | *         | **          | *         | *               |

\*\* Less than 1 percent

\* Insufficient data

# PEST MANAGEMENT PRACTICES

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

| Practice   | 2001    |          | 2000      |             |           |                 |
|--|---------|----------|-----------|-------------|-----------|-----------------|
|  | Corn    | Soybeans | All Wheat | Alfalfa Hay | Other Hay | All Other Crops |
|  | Percent |          | Percent   |             |           |                 |
| <b>Prevention Practices:</b>   |         |          |           |             |           |                 |
| Tillage/etc. To manage pests   | 24      | 41       | 46        | 37          | 37        | 36              |
| Remove or plow down crop residue   | 9       | 10       | 23        | 11          | 10        | 22              |
| Clean implements after fieldwork   | 14      | 29       | 48        | 35          | 28        | 38              |
| Water management practices   | 4       | 7        | 11        | 7           | 7         | 9               |
| <b>Avoidance Practices:</b>  |         |          |           |             |           |                 |
| Crop varieties genetically modified to resist insects                    |         |          |           |             |           | **              |
| Adjust planting/harvesting dates   | 2       | 6        | 25        | 14          | 7         | 16              |
| Rotate crops to control pests  | 71      | 78       | 71        | 31          | 18        | 50              |
| Crop varieties genetically modified<br>to be pathogen/nematode resistant |         | 5        |           |             |           | *               |
| Alternate planting locations   | 8       | 13       | 24        | 9           | 5         | 23              |
| Grow trap crop to control insects  | **      | **       | 2         | **          | **        | 3               |
| <b>Monitoring Practices:</b>   |         |          |           |             |           |                 |
| Scouted for pests  | 41      | 38       | 38        | 31          | 17        | 39              |
| Records kept to track pests  | 6       | 15       | 14        | 6           | 4         | 11              |
| Field mapping of weed problems   | 13      | 18       | 21        | 11          | 6         | 15              |
| Soil analysis to detect pests  | 4       | 20       | 11        | 8           | 3         | 5               |
| Pheromones to monitor pests  | 1       | **       | **        | **          | *         | 1               |
| Weather monitoring   | 6       | 18       | 23        | 11          | 7         | 17              |
| <b>Suppression Practices:</b>  |         |          |           |             |           |                 |
| Crop varieties genetically modified<br>to be herbicide resistant         |         |          |           |             |           | 1               |
| Scouting used to make decisions  | 5       | 12       | 19        | 11          | 5         | 14              |
| Biological pesticides  | 2       | **       | 4         | 2           | 3         | 5               |
| Beneficial organisms   | **      | **       | 2         | 2           | **        | 3               |
| Physical barriers  | 1       | 5        | 25        | 13          | 15        | 26              |
| Adjust planting methods  | 2       | 6        | 10        | 3           | 3         | 10              |
| Alternate pesticides   | 26      | 26       | 31        | 16          | 10        | 24              |
| Pheromones to disrupt mating   | 1       | **       | *         | **          | *         | *               |
| ** Less than 1 percent   |         |          |           |             |           |                 |
| * Insufficient data  |         |          |           |             |           |                 |