



Office of
INDIANA STATE CHEMIST AND SEED COMMISSIONER
Protecting Indiana's Agriculture and Environment - Feed, Fertilizer, Pesticide and Seed

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2016
INDIANA PESTICIDE REGULATORY
SUMMARY REPORT of ACTIVITIES

MISSION & STAFF: The pesticide section of the Office of Indiana State Chemist (OISC) is charged with administration of the Indiana pesticide laws I.C. 15-16-4 and I.C.15-16-5, and also represents the Environmental Protection Agency (US EPA) in Indiana for the purpose of enforcing federal pesticide law. The mission of OISC under these laws is to protect Indiana citizens and the environment from hazardous, ineffective and improperly formulated and labeled pesticide products and from unacceptable pesticide exposure. Twenty full-time professional staff and six support staff are responsible for carrying out this mission.

PRODUCT REGISTRATION: In 2016, pesticide manufacturers registered 16,396 products for sale and distribution in Indiana. This number exceeds the ten-year annual average for Indiana of 14,952. It also exceeds the average of 13,700 pesticide products registered by neighboring states.

During the last year OISC has worked cooperatively with US EPA and private government contractors to develop a mobile phone and device app that will provide access to federal pesticide product registration data. This tool will place up-to-date federal product data at the fingertips of the public, industry, and regulators.

CERTIFICATION & CREDENTIALING: OISC issued 34,717 pesticide credentials. This included licenses for 3479 pesticide application businesses, 14,264 pesticide applicators, 3749 pesticide technicians, 561 pesticide dealers, and 13,225 farmers using pesticides. The 34,717 total credentials for 2016 are up approximately 20% from the ten-year annual average of 28,864.

During 2016 OISC worked with the Purdue Cooperative Extension Service (CES) and a team of industry representatives to develop or upgrade the subject-matter-valid certification exam and corresponding training manual for agricultural pest management (category 1) commercial pesticide applicators. OISC also reviewed over 650 continuing certification training programs for pesticide applicators.

The OISC credentialing section hired a fourth full-time clerical position in 2016 to improve credential processing time and customer service.

COMPLIANCE & ENFORCEMENT: Pesticide staff investigated 355 complaint cases and conducted 1701 routine compliance inspections, exceeding the ten year annual averages of 304 complaint cases and 1602 compliance inspections. These investigations and inspections required OISC laboratory analysis of 1028 environmental residue samples and 102 product integrity samples. The 1028 environmental samples exceeded the ten-year annual average of 600 samples.

For investigations finalized to date there have been 152 formal violations, including 152 written warnings/citations, 71 administrative fines, and one applicator credential suspensions. Enforcement action numbers have been relatively consistent with the ten-year annual average of 197.

Numbers of off-target pesticide drift complaints (87) and resulting violations (35 to date) are relatively consistent with the ten year averages of 82 and 41, respectively.

During 2016 the OISC Pesticide Laboratory worked collaboratively with U.S. EPA, commercial laboratories, and other state regulatory labs to develop and refine analytical extraction and detection methods for dicamba residues in environmental samples. It is anticipated that such lab support will be critical to regulatory

programs nationwide during 2017 and beyond.

TRAINING, OUTREACH & COMPLIANCE ASSISTANCE: During 2016, with financial support from U.S. EPA, OISC conducted a Pesticide Clean Sweep Project, collecting 43,466 pounds of hazardous waste pesticides from Indiana applicators at little or no cost to the participants. This collection figure exceeded the annual average over the last six years of 30,097 pounds. This year's project included the collection of approximately 3,000 pounds of old DDT found in an estimated 50 rotting bags in a dilapidated wood shed with a dirt floor.

OISC continued to participate in professional and regulatory association affairs with at least 10 staff members serving as officers or committee members on no fewer than 30 regional and national committees and work groups.

INDIANA PESTICIDE REVIEW BOARD: Created through IC 15-16-4-42 in 1971, this twenty-member board is appointed by the Governor to develop pesticide policy and regulations for the State of Indiana. Board members include scientists, government officials, university researchers, conservationists, industry representatives and a public representative. In 2016, the Board and OISC: 1) drafted a rule to address negative implications of the introduction of 2,4-D and dicamba tolerant crop technologies; 2) drafted a rule change to exempt bulk disinfectant pesticide users from storage and containment regulations; 3) developed regulatory criteria for allowing web-based continuing certification training of certified pesticide applicators; 4) evaluated the need to allow for mitigation of large civil penalties assessed for pesticide violations; and 5) developed a multi-stakeholder state plan to protect pollinators from negative exposures to pesticides.

Information accurate as of 2-27-17