

IOWA COMMERCIAL APPLICATOR CERTIFICATION CONTINUING INSTRUCTIONAL COURSE (CIC) PROGRAM AGENDA (2027, 2028, 2029)

The following educational topics must be covered to satisfy the federal and Iowa-specific topics for applicator certifications. Iowa-specific topics should include current and forecasted pest issues and legislative and regulatory issues, and be appropriate for applicators in a given category. For additional information related to required topics and core competencies of pesticide applicators that can/should be included in a Continuing Instruction Course (CIC) please see 40 CFR Part 171.

Pesticide stewardship is an integral part of safe and effective pest control programs. Pesticide stewardship includes integrated pest management (IPM), resistance management, scouting, economic and/or aesthetic thresholds, pesticide selection practices, reduced risk alternatives, conservation practices, and best management practices which may include cultural practices for pest prevention. IDALS strongly recommends that pesticide stewardship be included in an effective Continuing Instruction Course Program under the required topics of professionalism, pests, and pest management.

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CATEGORY 1 - AG PEST CONTROL (1A, 1B, 1C, 1D)

Includes persons who use or supervise the use of pesticides to control pests in crops grown where the ultimate uses of the many commodities may be food or feed products, or both, and include other industrial or manufacturing uses, or both, of agricultural commodities.

- 1. **Agricultural weed control (1A).** Includes persons using or supervising the use of pesticides to control plant pests in the production of agricultural crops, including but not limited to feed, small grains, or both; corn; soybeans; forage; grasslands; and non-crop agricultural lands.*
- 2. **Agricultural insect control (1B).** Includes persons using or supervising the use of pesticides to control insect pests in the production of agricultural crops, including but not limited to feed, small grains, or both; corn; soybeans; forage; grasslands; and non-crop agricultural lands.*
- 3. **Agricultural crop disease control (1C).** Includes persons using or supervising the use of pesticides to control plant diseases in the production of agricultural crops, including but not limited to feed, small grains, or both corn; soybeans; forage; grasslands; and non-crop agricultural lands.*
- 4. **Agricultural fruit and vegetable control (1D).** Includes persons using or supervising the use of pesticides to control plant, insect, or disease pests in the production of food for human consumption, including but not limited to vegetables, small fruits, tree fruits, and nuts.*

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including pesticide drift and pesticide exposure risk reduction
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment, including phytotoxicity as appropriate
2. Pesticide labels and comprehension, including restricted entry interval and preharvest interval
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 2 – FOREST PEST CONTROL (2)

Includes persons using or supervising the use of pesticides in forests, forest nurseries, and forest seed production areas. To be certified in this category, a person shall demonstrate practical knowledge and competency as outlined in 40 CFR 171.103(d)(2) as revised March 3, 2017.

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including pesticide drift and pesticide exposure risk reduction
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment, including phytotoxicity as appropriate
2. Pesticide labels and comprehension, including restricted entry interval (REI) and preharvest interval (PHI) as appropriate
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 3 – ORNAMENTAL, TURF AND GREENHOUSE (30, 3T, 3G)

Includes persons who use or supervise the use of pesticides to control pests in the maintenance and production of ornamental plants and turfgrass, including in and around structures. Ornamental and turf pest control is comprised of four subcategories:

*1. **Ornamental and turf pest control (3OT).** Includes persons using or supervising the use of pesticides to control pests in the maintenance and production of ornamental trees, shrubs, flowers, and turfgrass, including in and around structures (except greenhouses), plant nurseries, golf courses, athletic fields, public or private grounds, turf farms, or similar areas.*

*2. **Turf pest control (3T).** Includes persons using or supervising the use of pesticides to control pests only in the maintenance and production of turfgrasses, including in and around structures (except greenhouses or other enclosed, climate-controlled environments), plant nurseries, golf courses, athletic fields, public or private grounds, turf farms, or similar areas.*

*3. **Ornamental pest control (3O).** Includes persons using or supervising the use of pesticides to control pests in the maintenance and production of ornamental trees, shrubs, flowers, and other ornamental plants, except turf, in areas other than a greenhouse or other enclosed, climate-controlled environment.*

*4. **Greenhouse pest control (3G).** Includes persons using or supervising the use of pesticides in the production and maintenance of ornamental trees, shrubs, or any other plants in a greenhouse setting and also in any other indoor, controlled environment.*

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including pesticide drift and pesticide exposure risk reduction
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment, including phytotoxicity as appropriate
2. Pesticide labels and comprehension, including restricted entry interval (REI) and preharvest interval (PHI) as appropriate
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 4 – SEED TREATMENT (4)

Includes persons using or supervising the use of pesticides to seeds. To be certified in this category, a person shall demonstrate practical knowledge and competency as outlined in 40 CFR 171.103(d)(4) as revised March 3, 2017.

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including proper disposal of unused treated seed
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment
2. Pesticide labels and comprehension, including seed coloration, carriers and surface active agents which influence pesticide binding and effect on germination
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, Storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 5 – AQUATIC PEST CONTROL (5)

Includes persons using or supervising the use of pesticides to standing or running water to control aquatic pests, excluding applicators engaged in public health-related activities. To be certified in this category, a person shall demonstrate practical knowledge and competency as outlined in 40 CFR 171.103(d)(5) as revised March 3, 2017.

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including pesticide drift and pesticide exposure risk reduction
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment, including phytotoxicity as appropriate
2. Pesticide labels and comprehension, restricted entry interval (REI) and preharvest interval (PHI) as appropriate
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, Storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 6 – RIGHT-OF-WAY (6)

Includes persons using or supervising the use of pesticides in the maintenance of public roads, electric power lines, pipelines, railroad rights-of-way, industrial site weed control, fence lines, structural perimeters, or other similar areas to control unwanted vegetation. To be certified in this category, a person shall demonstrate practical knowledge and competency as outlined in 40 CFR 171.103(d)(6) as revised March 3, 2017.

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including pesticide drift and pesticide exposure risk reduction
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment, including phytotoxicity as appropriate
2. Pesticide labels and comprehension, including restricted entry interval (REI) and preharvest interval (PHI) as appropriate
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, Storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 7 – INDUSTRIAL, INSTITUTIONAL, STRUCTURAL & HEALTH RELATED (7A, 7B, 7D, 7E)

Includes persons who use or supervise the use of pesticides in, on, or around the following: food handling establishments, packing houses, food processing facilities, human dwellings, institutions, industrial establishments, and any other structures and adjacent areas, public or private, for the protection of stored, processed, or manufactured products. Industrial, institutional, and structural pest control is comprised of subcategories:

*1. **General and household pest control (7A).** Includes persons using or supervising the use of pesticides, except fumigants, for general and household pest control in human dwellings, including indoor areas normally frequented or inhabited by humans, such as but not limited to schools, hospitals, institutions, IAC Ch 45, p.3 dining facilities, food dispensing and food handling establishments, food manufacturers and processors, industrial establishments, warehouses, and any other structures and adjacent areas, public or private. This subcategory also covers the protection of stored, processed, or manufactured products from insects and similar organisms, pest birds, or vertebrate pests.*

*2. **Termite control (7B).** Includes persons conducting wood-destroying insect inspections for the purpose of issuing a wood-destroying insect report for real estate transactions and real estate refinance transactions or for treatment or supervision of treatment for control or prevention of wood-destroying insect infestations.*

*3. **Community insect control (7D).** Includes persons using or supervising the use of pesticides to control flies or mosquitoes in a community or public health program. Public applicators as defined by Iowa Code section 206.2(23) who apply or supervise the use of pesticides to control pests in a public health program are required to be certified in the public health pest control category.*

*4. **Wood preservatives (7E).** Includes persons using or supervising the use of wood-preserving pesticides to control or protect against wood-destroying organisms.*

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques including reduction of off-target movement and protection of sensitive sites from pesticide exposure risks
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment
2. Pesticide formulations and labels, including restricted entry interval (REI)
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, Storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 7C – NON-SOIL FUMIGATION (7C)

Includes persons using or supervising use of pesticides in a gaseous form that are classified as fumigants to control pests in anything other than soil. To be certified in this category, a person shall demonstrate practical knowledge and competency as outlined in 40 CFR 171.103(d)(14) as revised March 3, 2017.

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques and pesticide exposure risk reduction including air monitoring, bufferzones and conditions that affect timing of applications
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment
2. Pesticide labels and comprehension, including labeling requirements
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment, including respirators required
2. Professionalism, Storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 8 – PUBLIC HEALTH (8)

Includes persons using or supervising the use of pesticides in any designated public health program for the management and control of pests, vertebrate or invertebrate, that may have medical or public health importance or both. To be certified in this category, a person shall demonstrate practical knowledge and competency as outlined in 40 CFR 171.103(d)(8).

Program 1 (2027)

1. Application equipment use, maintenance, and calibration
2. Safe application techniques, including pesticide drift and pesticide exposure risk reduction
3. Category-specific pests, pest management and pesticides, including vector disease transmission

Program 2 (2028)

1. Pesticide use and the environment, including a variety of environments ranging from streams to inside of buildings
2. Pesticide labels and comprehension, including restricted entry interval
3. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, Storage of pesticides, including chemical security
3. Category specific pests, pest management and pesticides

CATEGORY 11 - AERIAL APPLICATION (11)

Includes persons who use any aircraft to apply pesticides to control plant, insects or similar organisms; plant diseases in the production of agricultural commodities; food for human consumption, including but not limited to vegetables, small fruits, tree fruits and nuts, feed or small grains, corn, soybeans, forage, grasslands, and pasture; or a combination thereof.

Program 1 (2027)

1. Application equipment use, maintenance and calibration including pre-trip inspection, components of an aerial application system, nozzle number and placement, interpreting a nozzle flow rate chart, and verifying flow rate
2. Safe application techniques including pesticide drift and pesticide exposure risk reduction, weather conditions, evaluating drift potential, flight altitude and pattern
3. Category-specific pests, pest management and pesticides

Program 2 (2028)

1. Pesticide use and the environment, including phytotoxicity as appropriate
2. Pesticide application record keeping requirements.
3. Pesticide labels and comprehension, including restricted entry interval (REI) and preharvest interval (PHI), and restrictions specific to aerial application of pesticides including spray volumes, buffers and no-spray zones
4. Category-specific pests, pest management and pesticides

Program 3 (2029)

1. Personal protective equipment and safe handling
2. Professionalism, Storage of pesticides, including chemical security
3. Category-specific pests, pest management and pesticides

CATEGORY H - PESTICIDE HANDLER

Includes persons who are employed by a licensed commercial applicator, noncommercial applicator, public applicator, or pesticide dealer who handles pesticides in other than unopened containers for the purposes of preparing, mixing or loading pesticides for application by another person, repackaging bulk pesticides or disposing of pesticide-related wastes from these activities.

Program 1 (2027)

1. Safe handling of pesticides, including responding to spills and accidents
2. Recognizing pesticide poisoning symptoms
3. Mixing procedures, including dilution and compatibility

Program 2 (2028)

1. Pesticide use and the environment
2. Pesticide labels and comprehension
3. Pesticide container handling and disposal

Program 3 (2029)

1. Personal protective equipment
2. Professionalism, storage of pesticides, including chemical security
3. Secondary containment requirements

TEST-ONLY CATEGORIES FOR IOWA

The following categories do not have a continuing instruction course for recertification. Applicators must re-test every three (3) years to maintain their certification.

1. 1E – Animal Pest Control
2. 7F – Antifouling Paints
3. 9 – Regulatory Pest Control
4. 10 – Demonstration and Research
5. 12 – Soil Fumigation⁶³⁸