

■ 2. In § 180.639, add alphabetically the entry “Tea” to the table in paragraph (a) to read as follows:

**§ 180.639 Flubendiamide; tolerances for residues.**

(a)	*	*	*		
(1)	*	*	*		
	*		*	*	*
Tea <sup>1</sup>	.....				50

<sup>1</sup> There are no U.S. registrations as of July 5, 2017, for use of flubendiamide on tea.

\* \* \* \* \*

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**ENVIRONMENTAL PROTECTION AGENCY**

**40 CFR Part 180**

[EPA-HQ-OPP-2016-0166; FRL-9962-61]

**Indaziflam; Pesticide Tolerances**

**AGENCY:** Environmental Protection Agency (EPA).

**ACTION:** Final rule.

**SUMMARY:** This regulation establishes tolerances for residues of indaziflam in or on multiple commodities which are identified and discussed later in this document. Interregional Research Project Number 4 (IR-4) requested these tolerances under the Federal Food, Drug, and Cosmetic Act (FFDCA).

**DATES:** This regulation is effective July 5, 2017. Objections and requests for hearings must be received on or before September 5, 2017, and must be filed in accordance with the instructions provided in 40 CFR part 178 (see also Unit I.C. of the **SUPPLEMENTARY INFORMATION**).

**ADDRESSES:** The docket for this action, identified by docket identification (ID) number EPA-HQ-OPP-2016-0166, is available at <http://www.regulations.gov> or at the Office of Pesticide Programs Regulatory Public Docket (OPP Docket) in the Environmental Protection Agency Docket Center (EPA/DC), West William Jefferson Clinton Bldg., Rm. 3334, 1301 Constitution Ave. NW., Washington, DC 20460-0001. The Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566-1744, and the telephone number for the OPP Docket is (703) 305-5805. Please review the visitor instructions and additional information about the docket available at <http://www.epa.gov/dockets>.

**FOR FURTHER INFORMATION CONTACT:** Michael Goodis, Registration Division (7505P), Office of Pesticide Programs, Environmental Protection Agency, 1200 Pennsylvania Ave. NW., Washington, DC 20460-0001; main telephone number: (703) 305-7090; email address: [RDfRNNotices@epa.gov](mailto:RDfRNNotices@epa.gov).

**SUPPLEMENTARY INFORMATION:**

**I. General Information**

*A. Does this action apply to me?*

You may be potentially affected by this action if you are an agricultural producer, food manufacturer, or pesticide manufacturer. The following list of North American Industrial Classification System (NAICS) codes is not intended to be exhaustive, but rather provides a guide to help readers determine whether this document applies to them. Potentially affected entities may include:

- Crop production (NAICS code 111).
- Animal production (NAICS code 112).
- Food manufacturing (NAICS code 311).
- Pesticide manufacturing (NAICS code 32532).

*B. How can I get electronic access to other related information?*

You may access a frequently updated electronic version of EPA’s tolerance regulations at 40 CFR part 180 through the Government Printing Office’s e-CFR site at [http://www.ecfr.gov/cgi-bin/text-idx?&c=ecfr&tpl=/ecfrbrowse/Title40/40tab\\_02.tpl](http://www.ecfr.gov/cgi-bin/text-idx?&c=ecfr&tpl=/ecfrbrowse/Title40/40tab_02.tpl).

*C. How can I file an objection or hearing request?*

Under FFDCA section 408(g), 21 U.S.C. 346a, any person may file an objection to any aspect of this regulation and may also request a hearing on those objections. You must file your objection or request a hearing on this regulation in accordance with the instructions provided in 40 CFR part 178. To ensure proper receipt by EPA, you must identify docket ID number EPA-HQ-OPP-2016-0166 in the subject line on the first page of your submission. All objections and requests for a hearing must be in writing, and must be received by the Hearing Clerk on or before September 5, 2017. Addresses for mail and hand delivery of objections and hearing requests are provided in 40 CFR 178.25(b).

In addition to filing an objection or hearing request with the Hearing Clerk as described in 40 CFR part 178, please submit a copy of the filing (excluding any Confidential Business Information (CBI)) for inclusion in the public docket.

Information not marked confidential pursuant to 40 CFR part 2 may be disclosed publicly by EPA without prior notice. Submit the non-CBI copy of your objection or hearing request, identified by docket ID number EPA-HQ-OPP-2016-0166, by one of the following methods:

- *Federal eRulemaking Portal:* <http://www.regulations.gov>. Follow the online instructions for submitting comments. Do not submit electronically any information you consider to be CBI or other information whose disclosure is restricted by statute.
- *Mail:* OPP Docket, Environmental Protection Agency Docket Center (EPA/DC), (28221T), 1200 Pennsylvania Ave. NW., Washington, DC 20460-0001.
- *Hand Delivery:* To make special arrangements for hand delivery or delivery of boxed information, please follow the instructions at <http://www.epa.gov/dockets/contacts.html>.

Additional instructions on commenting or visiting the docket, along with more information about dockets generally, is available at <http://www.epa.gov/dockets>.

**II. Summary of Petitioned-For Tolerance**

In the **Federal Register** of May 19, 2016 (81 FR 31581) (FRL-9946-02), EPA issued a document pursuant to FFDCA section 408(d)(3), 21 U.S.C. 346a(d)(3), announcing the filing of a pesticide petition (PP 6E8452) by IR-4, Rutgers University, 500 College Rd. East, Suite 201 W, Princeton, NJ 08540. The petition requested that 40 CFR 180.653 be amended by establishing tolerances for residues of the herbicide indaziflam (N-[(1R,2S)-2,3-dihydro-2,6-dimethyl-1H-inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine) in or on bushberry, subgroup 13-07B at 0.01 parts per million (ppm); caneberry, subgroup 13-07A at 0.01 ppm; coffee, green bean at 0.01 ppm; fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13-07F at 0.01 ppm; hop, dried cones at 0.03 ppm; fruit, stone, group 12-12 at 0.01 ppm; and nut, tree, group 14-12 at 0.01 ppm. Additionally, the petition requested that tolerances be established for the crops in the proposed crop subgroup 23A (small fruit, edible peel subgroup) at 0.01 ppm, including acerola; African plum; agritos, almondette; appleberry; arbutus berry; bayberry, red; bignay; breadnut; cabeluda; carandas-plum; Ceylon iron wood; Ceylon olive; cherry-of-the-Rio-Grande; Chinese olive, black; Chinese olive, white; chirauli-nut; cocoplum; desert-date; false sandalwood; fragrant manjack; gooseberry, Abyssinian; gooseberry, Ceylon; gooseberry,

otaheite; governor's plum; grumichama; guabiroba; guava berry; guava, Brazilian; guava, Costa Rican; guayabillo; illawarra plum; Indian-plum; Jamaica-cherry; jambolan; kaffir-plum; kakadu plum; kapundung; karnada; lemon aspen; mombin, yellow; monos plum; mountain cherry; olive; persimmon, black; pitomba; plum-of-Martinique; rukam; rumberry; sea grape; setecapotes; silver aspen; water apple; water pear; water berry; and wax jambu.

Upon establishment of the tolerances referenced above, IR-4 requested to remove existing tolerances in 40 CFR 180.653 for residues of the herbicide indaziflam (*N*-[(1*R*,2*S*)-2,3-dihydro-2,6-dimethyl-1*H*-inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine) in or on fruit, stone, group 12 at 0.01 ppm; nut, tree, group 14 at 0.01 ppm; grape at 0.01 ppm; and pistachio at 0.01 ppm. That May 19, 2016 document referenced a summary of the petition prepared by Bayer CropScience, the registrant, which is available in the docket, <http://www.regulations.gov>. Comments were received on the notice of filing. EPA's response to these comments is discussed in Unit IV.C.

Based upon review of the data supporting the petition, EPA has modified the level at which the tolerance is being established for hops. Other tolerances being established vary from the petition requests in minor ways. These differences and the reasons for these changes are explained in Unit IV.D.

### III. Aggregate Risk Assessment and Determination of Safety

Section 408(b)(2)(A)(i) of FFDCA allows EPA to establish a tolerance (the legal limit for a pesticide chemical residue in or on a food) only if EPA determines that the tolerance is "safe." Section 408(b)(2)(A)(ii) of FFDCA defines "safe" to mean that "there is a reasonable certainty that no harm will result from aggregate exposure to the pesticide chemical residue, including all anticipated dietary exposures and all other exposures for which there is reliable information." This includes exposure through drinking water and in residential settings, but does not include occupational exposure. Section 408(b)(2)(C) of FFDCA requires EPA to give special consideration to exposure of infants and children to the pesticide chemical residue in establishing a tolerance and to "ensure that there is a reasonable certainty that no harm will result to infants and children from aggregate exposure to the pesticide chemical residue. . . ."

Consistent with FFDCA section 408(b)(2)(D), and the factors specified in

FFDCA section 408(b)(2)(D), EPA has reviewed the available scientific data and other relevant information in support of this action. EPA has sufficient data to assess the hazards of and to make a determination on aggregate exposure for indaziflam including exposure resulting from the tolerances established by this action. EPA's assessment of exposures and risks associated with indaziflam follows.

#### A. Toxicological Profile

EPA has evaluated the available toxicity data and considered its validity, completeness, and reliability as well as the relationship of the results of the studies to human risk. EPA has also considered available information concerning the variability of the sensitivities of major identifiable subgroups of consumers, including infants and children.

The nervous system is the major target for toxicity in rats and dogs. Evidence of neurotoxicity (*e.g.*, decreased motor activity, clinical signs, and/or neuropathology) was observed in both species throughout the database, which included the dog subchronic and chronic toxicity studies; the rat acute, subchronic, and developmental neurotoxicity studies; the rat two-generation reproduction study; the rat chronic toxicity study; and the rat combined carcinogenicity/chronic toxicity study. In repeated-dose studies, the dog was the more sensitive species, showing the lowest no-observed-adverse-effect-levels (NOAELs) and lowest-observed-adverse-effect-levels (LOAELs) among all available studies, based on neuropathology (degenerative nerve fibers in the brain, spinal cord, and sciatic nerve). At higher doses, three dogs in the subchronic study were prematurely terminated due to excessive clinical signs including ataxia, tremors, decreased pupil response, seizures, and other findings.

In the rat, a marginal decrease in motor/locomotor activity was observed in females in the acute neurotoxicity study. Decreases in motor/locomotor activity were also seen in the subchronic neurotoxicity study in females and in the developmental neurotoxicity study in male offspring at post-natal day (PND) 21. Clinical signs of neurotoxicity were observed in the acute, subchronic, and developmental neurotoxicity studies and consisted primarily of tremors, changes in activity and reactivity, repetitive chewing, dilated pupils, and oral, perianal, and nasal staining. Similar clinical signs of neurotoxicity were observed in the 2-generation reproduction study, the rat chronic toxicity study, and the

combined rat carcinogenicity/chronic toxicity study. Neuropathology findings were also observed in the rat manifested as focal/multifocal vacuolation of the median eminence of the brain and the pituitary *pars nervosa* and degenerative nerve fibers in the gasserian ganglion, sciatic nerve, and tibial nerve. Evidence of neurotoxicity was not seen in the mouse.

Other organs affected by indaziflam in mice and rats included the kidney, liver, thyroid, stomach, seminal vesicles, and ovaries. Effects on the kidney were observed following chronic exposure in rats and mice while effects on the liver were observed following chronic exposure in the rat. Effects on the thyroid were only observed in multiple dose rat studies and usually in the male only. Increased thyroid stimulating hormone (TSH) measured at 3 and 14 weeks in the 90-day and 1-year studies showed an increase in males at week 3. Histopathological alterations (thyroid follicular cell hypertrophy at 90 days and 1 year, as well as colloid alterations at chronic exposure times) were observed, but no increases in thyroid weight were noted. Thyroid histopathology was observed at a lower dose in the two-year study, compared to the 90-day and 1-year studies. Chronic exposures also led to atrophied or small seminal vesicles in male rats and glandular erosion/necrosis in the stomach and blood-filled ovarian cysts/follicles in female mice. However, these effects occurred at higher doses than those at which neurotoxicity was observed in the dog. In rats, effects observed on the liver, thyroid, kidney, and seminal vesicles occurred at doses that were similar to or higher than those that produced neurotoxicity. Decreased body weight gain was also observed in most studies following exposure to indaziflam. There was no evidence of immunotoxicity in the available studies, which included a guideline immunotoxicity study in the rat. No systemic effects were observed in the rat following a 28-day dermal exposure period.

No evidence of increased quantitative or qualitative susceptibility was seen in developmental toxicity studies in rats and rabbits, a developmental neurotoxicity study in rats, or in a reproduction study in rats. In the rat developmental toxicity study, decreased fetal weight was observed in the presence of maternal effects that included decreased body weight gain and food consumption. No developmental effects were observed in rabbits up to maternally toxic dose levels. Decreased pup weight and delays in sexual maturation (preputial

separation in males and vaginal patency in females) were observed in offspring in the rat two-generation reproductive toxicity study, along with clinical signs of toxicity, at a dose causing parental toxicity that included coarse tremors, renal toxicity and decreased weight gain. In the rat developmental neurotoxicity study, transiently decreased motor activity (PND 21 only) in male offspring was observed and was considered a potential neurotoxic effect. It was observed at a dose that also caused clinical signs of neurotoxicity along with decreased body weight in maternal animals.

Indaziflam showed no evidence of carcinogenicity in the two-year dietary rat and mouse bioassays. All genotoxicity studies that were conducted on indaziflam were negative.

Specific information on the studies received and the nature of the adverse effects caused by indaziflam as well as the NOAEL and the LOAEL from the toxicity studies can be found at <http://www.regulations.gov> in the document titled “*Indaziflam—Aggregate Human Health Risk Assessment of Proposed New Uses, Crop Group Conversions, and Expansions from Representative Commodities to Crop Groups*” on page 28 in docket ID number EPA–HQ–OPP–2016–0466.

#### B. Toxicological Points of Departure/ Levels of Concern

Once a pesticide’s toxicological profile is determined, EPA identifies toxicological points of departure (POD) and levels of concern to use in evaluating the risk posed by human exposure to the pesticide. For hazards that have a threshold below which there is no appreciable risk, the toxicological POD is used as the basis for derivation of reference values for risk assessment. PODs are developed based on a careful analysis of the doses in each toxicological study to determine the dose at which no adverse effects are observed (the NOAEL) and the lowest dose at which adverse effects of concern are identified (the LOAEL). Uncertainty/safety factors are used in conjunction with the POD to calculate a safe exposure level—generally referred to as a population-adjusted dose (PAD) or a reference dose (RfD)—and a safe margin of exposure (MOE). For non-threshold risks, the Agency assumes that any amount of exposure will lead to some degree of risk. Thus, the Agency estimates risk in terms of the probability of an occurrence of the adverse effect expected in a lifetime. For more information on the general principles EPA uses in risk characterization and a complete description of the risk

assessment process, see <http://www2.epa.gov/pesticide-science-and-assessing-pesticide-risks/assessing-human-health-risk-pesticides>.

A summary of the toxicological endpoints for indaziflam used for human risk assessment is discussed in Unit III.B. of the final rule published in the **Federal Register** of January 29, 2014 (79 FR 4624) (FRL–9903–88).

#### C. Exposure Assessment

1. *Dietary exposure from food and feed uses.* In evaluating dietary exposure to indaziflam, EPA considered exposure under the petitioned-for tolerances as well as all existing indaziflam tolerances in 40 CFR 180.653. EPA assessed dietary exposures from indaziflam in food as follows:

i. *Acute exposure.* Quantitative acute dietary exposure and risk assessments are performed for a food-use pesticide, if a toxicological study has indicated the possibility of an effect of concern occurring as a result of a 1-day or single exposure.

Such effects were identified for indaziflam. In estimating acute dietary exposure, EPA used food consumption information from the U.S. Department of Agriculture’s 2003–2008 National Health and Nutrition Examination Survey, What We Eat in America, (NHANES/WWEIA). As to residue levels in food, the acute dietary risk assessment was based on tolerance-level residues and 100 percent crop treated (PCT).

ii. *Chronic exposure.* In conducting the chronic dietary exposure assessment EPA used the food consumption data from the USDA’s 2003–2008 NHANES/WWEIA. As to residue levels in food, the chronic dietary risk assessment was based on tolerance-level residues and 100 PCT.

iii. *Cancer.* Based on the data summarized in Unit III.A., EPA has concluded that indaziflam does not pose a cancer risk to humans. Therefore, a dietary exposure assessment for the purpose of assessing cancer risk is unnecessary.

iv. *Anticipated residue and PCT information.* EPA did not use anticipated residue or PCT information in the dietary assessment for indaziflam. Tolerance-level residues and 100 PCT were assumed for all food commodities.

2. *Dietary exposure from drinking water.* The Agency used screening-level water exposure models in the dietary exposure analysis and risk assessment for indaziflam in drinking water. These simulation models take into account data on the physical, chemical, and fate/transport characteristics of indaziflam.

Further information regarding EPA drinking water models used in pesticide exposure assessment can be found at <http://www2.epa.gov/pesticide-science-and-assessing-pesticide-risks/about-water-exposure-models-used-pesticide>.

Based on the Pesticide in Water Calculator (PWC) and the Tier 1 Rice model, the estimated drinking water concentrations (EDWCs) of indaziflam for acute exposures are estimated to be 84 parts per billion (ppb) for surface water and 3.7 ppb for ground water, and for chronic exposures are estimated to be 26 ppb for surface water and 3.7 ppb for ground water.

Modeled estimates of drinking water concentrations were directly entered into the dietary exposure model. For the acute dietary risk assessment, the water concentration value of 84 ppb was used to assess the contribution to drinking water. For the chronic dietary risk assessment, the water concentration of value 26 ppb was used to assess the contribution to drinking water.

3. *From non-dietary exposure.* The term “residential exposure” is used in this document to refer to non-occupational, non-dietary exposure (e.g., for lawn and garden pest control, indoor pest control, termiticides, and flea and tick control on pets).

Indaziflam is currently registered for the following uses that could result in residential exposures: Turf, gardens, and trees. EPA assessed residential exposure using the following assumptions: Short-term dermal and inhalation handler exposure is expected for adults as a result of applying products containing indaziflam to lawns/turf and gardens/trees using a variety of application equipment. Short-term post-application dermal exposure is expected for adults, children 11<16, and children 6<11 years old as a result of playing, mowing and/or golfing on treated turf. Short-term dermal and incidental oral exposure (hand to mouth, object to mouth, incidental soil ingestion) is expected for children 1<2 years old as a result from playing on treated turf/lawns. Lastly, short-term post-application dermal exposure is expected for adults and children 6<11 years old as result of application to gardens and trees. The Agency selected only the most conservative, or worst case, residential adult and child scenarios to be included in the aggregate estimates, based on the lowest overall MOE (i.e., highest risk estimates). The worst case residential exposure scenario for both adults and children resulted from short-term dermal and incidental oral (for children only) post-application exposure to treated turf. Further information regarding EPA standard

assumptions and generic inputs for residential exposures may be found at <http://www2.epa.gov/pesticide-science-and-assessing-pesticide-risks/standard-operating-procedures-residential-pesticide>.

4. *Cumulative effects from substances with a common mechanism of toxicity.* Section 408(b)(2)(D)(v) of FFDCA requires that, when considering whether to establish, modify, or revoke a tolerance, the Agency consider “available information” concerning the cumulative effects of a particular pesticide’s residues and “other substances that have a common mechanism of toxicity.”

EPA has not found indaziflam to share a common mechanism of toxicity with any other substances, and indaziflam does not appear to produce a toxic metabolite produced by other substances. For the purposes of this tolerance action, therefore, EPA has assumed that indaziflam does not have a common mechanism of toxicity with other substances. For information regarding EPA’s efforts to determine which chemicals have a common mechanism of toxicity and to evaluate the cumulative effects of such chemicals, see EPA’s Web site at <http://www2.epa.gov/pesticide-science-and-assessing-pesticide-risks/cumulative-assessment-risk-pesticides>.

#### D. Safety Factor for Infants and Children

1. *In general.* Section 408(b)(2)(C) of FFDCA provides that EPA shall apply an additional tenfold (10X) margin of safety for infants and children in the case of threshold effects to account for prenatal and postnatal toxicity and the completeness of the database on toxicity and exposure unless EPA determines based on reliable data that a different margin of safety will be safe for infants and children. This additional margin of safety is commonly referred to as the FQPA Safety Factor (SF). In applying this provision, EPA either retains the default value of 10X, or uses a different additional safety factor when reliable data available to EPA support the choice of a different factor.

2. *Prenatal and postnatal sensitivity.* No evidence of increased quantitative or qualitative susceptibility was seen in developmental toxicity studies in rats and rabbits, a developmental neurotoxicity study in rats, or in a reproduction study in rats. In the rat developmental toxicity study, decreased fetal weight was observed in the presence of maternal effects that included decreased body weight gain and food consumption. No developmental effects were observed in

rabbits up to maternally toxic dose levels. Decreased pup weight and delays in sexual maturation (preputial separation in males and vaginal patency in females) were observed in offspring in the rat two-generation reproductive toxicity study, along with clinical signs of toxicity, at a dose causing parental toxicity that included coarse tremors, renal toxicity and decreased weight gain. In the developmental neurotoxicity study, transiently decreased motor activity (PND 21 only) in male offspring was observed and was considered a potential neurotoxic effect. It was observed at a dose that also caused clinical signs of neurotoxicity along with decreased body weight in maternal animals.

3. *Conclusion.* EPA has determined that reliable data show the safety of infants and children would be adequately protected if the FQPA SF were reduced to 1x. That decision is based on the following findings:

i. The toxicity database for indaziflam is complete.

ii. Evidence of neurotoxicity was observed in dogs and rats throughout the database, which included the dog subchronic toxicity study, the rat subchronic toxicity, the rat acute, subchronic, and developmental neurotoxicity screening batteries, the rat two-generation reproduction study, the rat chronic toxicity study, and the rat combined carcinogenicity/chronic toxicity study. Evidence of neurotoxicity was manifested as neuropathology in dogs and as decreased motor activity and clinical signs (e.g., tremors) in rats. Evidence of neurotoxicity was the most consistent effect (seen in dogs and rats), the most sensitive toxicological finding (based on neuropathology in dogs), and the basis for the risk assessment. The endpoints selected for risk assessment are based on and protective of the neurotoxic effects seen in the guideline studies.

iii. No developmental effects were observed in rabbits up to maternally toxic dose levels. Offspring effects in the developmental neurotoxicity study in rats and multi-generation toxicity studies only occurred in the presence of maternal toxicity and were not considered more severe than the parental effects. In addition, clear NOAELs/LOAELs were identified for these studies. Therefore, EPA concluded that there is no evidence of increased quantitative or qualitative susceptibility to rat or rabbit fetuses exposed *in utero* and/or postnatally to indaziflam.

iv. There are no residual uncertainties identified in the exposure databases. The dietary food exposure assessments were performed based on 100 PCT and

tolerance-level residues. EPA made conservative (protective) assumptions in the ground and surface water modeling used to assess exposure to indaziflam in drinking water. EPA used similarly conservative assumptions to assess post-application exposure of children as well as incidental oral exposure of toddlers. These assessments will not underestimate the exposure and risks posed by indaziflam.

#### E. Aggregate Risks and Determination of Safety

EPA determines whether acute and chronic dietary pesticide exposures are safe by comparing aggregate exposure estimates to the acute PAD (aPAD) and chronic PAD (cPAD). For linear cancer risks, EPA calculates the lifetime probability of acquiring cancer given the estimated aggregate exposure. Short-, intermediate-, and chronic-term risks are evaluated by comparing the estimated aggregate food, water, and residential exposure to the appropriate PODs to ensure that an adequate MOE exists.

1. *Acute risk.* Using the exposure assumptions discussed in this unit for acute exposure, the acute dietary exposure from food and water to indaziflam will occupy 19% of the aPAD for all infants <1-year-old, the population group receiving the greatest exposure.

2. *Chronic risk.* Using the exposure assumptions described in this unit for chronic exposure, EPA has concluded that chronic exposure to indaziflam from food and water will utilize 8% of the cPAD for all infants <1-year-old, the population group receiving the greatest exposure. Based on the explanation in Unit III.C.3., regarding residential use patterns, chronic residential exposure to residues of indaziflam is not expected.

3. *Short-term risk.* Short-term aggregate exposure takes into account short-term residential exposure plus chronic exposure to food and water (considered to be a background exposure level).

Indaziflam is currently registered for uses that could result in short-term residential exposure, and the Agency has determined that it is appropriate to aggregate chronic exposure through food and water with short-term residential exposures to indaziflam.

Using the exposure assumptions described in this unit for short-term exposures, EPA has concluded the combined short-term food, water, and residential exposures result in aggregate MOEs of 1400 for adults and 580 for children. Because EPA’s level of concern for indaziflam is a MOE of 100

or below, these MOEs are not of concern.

#### 4. *Intermediate-term risk.*

Intermediate-term aggregate exposure takes into account intermediate-term residential exposure plus chronic exposure to food and water (considered to be a background exposure level).

An intermediate-term adverse effect was identified; however, indaziflam is not registered for any use patterns that would result in intermediate-term residential exposure. Intermediate-term risk is assessed based on intermediate-term residential exposure plus chronic dietary exposure. Because there is no intermediate-term residential exposure and chronic dietary exposure has already been assessed under the appropriately protective cPAD (which is at least as protective as the POD used to assess intermediate-term risk), no further assessment of intermediate-term risk is necessary, and EPA relies on the chronic dietary risk assessment for evaluating intermediate-term risk for indaziflam.

5. *Aggregate cancer risk for U.S. population.* Based on the lack of evidence of carcinogenicity in two adequate rodent carcinogenicity studies, indaziflam is not expected to pose a cancer risk to humans.

6. *Determination of safety.* Based on these risk assessments, EPA concludes that there is a reasonable certainty that no harm will result to the general population, or to infants and children from aggregate exposure to indaziflam residues.

### IV. Other Considerations

#### A. *Analytical Enforcement Methodology*

Adequate enforcement methodology (liquid chromatography with tandem mass spectrometry detection [LC/MS/MS] method (DH-003-P07-02) for fruit and nut tree matrices for indaziflam and FDAT) is available to enforce the tolerance expression. The method may be requested from: Chief, Analytical Chemistry Branch, Environmental Science Center, 701 Mapes Rd., Ft. Meade, MD 20755-5350; telephone number: (410) 305-2905; email address: [residuemethods@epa.gov](mailto:residuemethods@epa.gov).

#### B. *International Residue Limits*

In making its tolerance decisions, EPA seeks to harmonize U.S. tolerances with international standards whenever possible, consistent with U.S. food safety standards and agricultural practices. EPA considers the international maximum residue limits (MRLs) established by the Codex Alimentarius Commission (Codex), as required by FFDCA section 408(b)(4).

The Codex Alimentarius is a joint United Nations Food and Agriculture Organization/World Health Organization food standards program, and it is recognized as an international food safety standards-setting organization in trade agreements to which the United States is a party. EPA may establish a tolerance that is different from a Codex MRL; however, FFDCA section 408(b)(4) requires that EPA explain the reasons for departing from the Codex level.

The Codex has not established any MRLs for indaziflam.

#### C. *Response to Comments*

Two comments were received in response to the Notice of Filing. The first comment was in support of the petition. The second comment was against the petition and stated in part that “this product should not get approval” and that “no residue should be permitted on any food or other plant.” The Agency recognizes that some individuals believe that pesticides should be banned on agricultural crops; however, the existing legal framework provided by section 408 of the Federal Food, Drug and Cosmetic Act (FFDCA) states that tolerances may be set when persons seeking such tolerances or exemptions have demonstrated that the pesticide meets the safety standard imposed by that statute. EPA has assessed the effects of this chemical on human health and determined that aggregate exposure to it will be safe. The comment provides no information to support a different conclusion.

#### D. *Revisions to Petitioned-For Tolerances*

For hops, the proposed tolerance level of 0.03 ppm was based on residues from 4 field trials at levels below the level of quantitation (LOQ) (<0.01), and a residue of 0.02 ppm from one trial (13-QC06), being entered into the Organization for Economic Cooperation and Development (OECD) tolerance calculation procedure. However, the FDAT (metabolite) portion of the residue from Trial 13-QC06 was not converted to parent equivalents by the petitioner. When this is converted, the combined residue is 0.033 ppm, and the result of the OECD tolerance calculation procedure is 0.06 ppm. Therefore, the tolerance level being established in/on hops, dried cones is 0.06 ppm.

The petition requested that a tolerance be established for “coffee, green bean”. Since a tolerance already exists for that commodity at the level requested but with a notation that there are no U.S. registrations for use of indaziflam on coffee, the Agency is

simply removing the footnote in 40 CFR 180.653 that states there are no U.S. registrations for coffee.

Lastly, the petition sought the establishment of tolerances covering all the crops listed in the proposed crop group 23A. Since the crop group has been established for tropical and subtropical, small fruit, edible peel subgroup 23A, EPA is establishing the crop subgroup tolerance rather than individual tolerances for each of the named commodities.

Although not requested, EPA is also removing the existing tolerance for “olive” because it is superseded by the new crop subgroup 23A tolerance.

### V. Conclusion

Therefore, tolerances are established for residues of indaziflam, *N*-[(1*R*,2*S*)-2,3-dihydro-2,6-dimethyl-1*H*-inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine, including its metabolites and degradates, in or on the following: Bushberry subgroup 13-07B at 0.01 ppm; caneberry subgroup 13-07A at 0.01 ppm; fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13-07F at 0.01 ppm; fruit, stone, group 12-12 at 0.01 ppm; fruit, tropical and subtropical, small fruit, edible peel, subgroup 23A at 0.01 ppm; hop, dried cones at 0.06 ppm; and nut, tree, group 14-12 at 0.01 ppm.

Additionally, the footnote is removed from the existing tolerance for “coffee, green bean” and the following existing tolerances are removed as unnecessary since they are superseded by the newly established tolerances: Fruit, stone, group 12; grape; nut, tree, group 14; olive; and pistachio.

### VI. Statutory and Executive Order Reviews

This action establishes tolerances under FFDCA section 408(d) in response to a petition submitted to the Agency. The Office of Management and Budget (OMB) has exempted these types of actions from review under Executive Order 12866, entitled “Regulatory Planning and Review” (58 FR 51735, October 4, 1993). Because this action has been exempted from review under Executive Order 12866, this action is not subject to Executive Order 13211, entitled “Actions Concerning Regulations That Significantly Affect Energy Supply, Distribution, or Use” (66 FR 28355, May 22, 2001) or Executive Order 13045, entitled “Protection of Children from Environmental Health Risks and Safety Risks” (62 FR 19885, April 23, 1997). This action does not contain any information collections subject to OMB approval under the Paperwork Reduction Act (PRA) (44

U.S.C. 3501 *et seq.*), nor does it require any special considerations under Executive Order 12898, entitled “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations” (59 FR 7629, February 16, 1994).

Since tolerances and exemptions that are established on the basis of a petition under FFDCA section 408(d), such as the tolerance in this final rule, do not require the issuance of a proposed rule, the requirements of the Regulatory Flexibility Act (RFA) (5 U.S.C. 601 *et seq.*), do not apply.

This action directly regulates growers, food processors, food handlers, and food retailers, not States or tribes, nor does this action alter the relationships or distribution of power and responsibilities established by Congress in the preemption provisions of FFDCA section 408(n)(4). As such, the Agency has determined that this action will not have a substantial direct effect on States or tribal governments, on the relationship between the national government and the States or tribal governments, or on the distribution of power and responsibilities among the various levels of government or between the Federal Government and Indian tribes. Thus, the Agency has determined that Executive Order 13132, entitled “Federalism” (64 FR 43255, August 10,

1999) and Executive Order 13175, entitled “Consultation and Coordination with Indian Tribal Governments” (65 FR 67249, November 9, 2000) do not apply to this action. In addition, this action does not impose any enforceable duty or contain any unfunded mandate as described under Title II of the Unfunded Mandates Reform Act (UMRA) (2 U.S.C. 1501 *et seq.*).

This action does not involve any technical standards that would require Agency consideration of voluntary consensus standards pursuant to section 12(d) of the National Technology Transfer and Advancement Act (NTTAA) (15 U.S.C. 272 note).

**VII. Congressional Review Act**

Pursuant to the Congressional Review Act (5 U.S.C. 801 *et seq.*), EPA will submit a report containing this rule and other required information to the U.S. Senate, the U.S. House of Representatives, and the Comptroller General of the United States prior to publication of the rule in the **Federal Register**. This action is not a “major rule” as defined by 5 U.S.C. 804(2).

**List of Subjects in 40 CFR Part 180**

Environmental protection, Administrative practice and procedure, Agricultural commodities, Pesticides and pests, Reporting and recordkeeping requirements.

Dated: June 12, 2017.

**Michael L. Goodis,**

*Director, Registration Division, Office of Pesticide Programs.*

Therefore, 40 CFR chapter I is amended as follows:

**PART 180—[AMENDED]**

■ 1. The authority citation for part 180 continues to read as follows:

**Authority:** 21 U.S.C. 321(q), 346a and 371.

■ 2. In the table in paragraph (a) of § 180.653;

■ a. Add alphabetically the entries “Bushberry subgroup 13–07B”; “Caneberry subgroup 13–07A”; “Fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13–07F”; “Fruit, stone, group 12–12”; “Fruit, tropical and subtropical, small fruit, edible peel, subgroup 23A”; “Hop, dried cones”; and “Nut, tree, group 14–12”;

■ b. Remove the footnote 1 from the entry for “Coffee, green bean”; and

■ c. Remove the entries for “Fruit, stone, group 12”; “Grape”; “Nut, tree, group 14”; “Olive”; and “Pistachio”.

The additions read as follows:

**§ 180.653 Indaziflam; tolerances for residues.**

(a) \* \* \*

*	*	*	*	*	*	*
Bushberry subgroup 13–07B .....						0.01
Caneberry subgroup 13–07A .....						0.01
Coffee, green bean .....						0.01
*	*	*	*	*	*	*
Fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13–07F .....						0.01
Fruit, stone, group 12–12 .....						0.01
Fruit, tropical and subtropical, small fruit, edible peel, subgroup 23A .....						0.01
Hop, dried cones .....						0.06
Nut, tree, group 14–12 .....						0.01
*	*	*	*	*	*	*

\* \* \* \* \*  
 [FR Doc. 2017–14107 Filed 7–3–17; 8:45 am]  
**BILLING CODE 6560–50–P**

**ENVIRONMENTAL PROTECTION AGENCY**

**40 CFR Part 180**

[EPA–HQ–OPP–2016–0066; FRL–9962–60]

**Pyroxsulam; Pesticide Tolerances**

**AGENCY:** Environmental Protection Agency (EPA).

**ACTION:** Final rule.

**SUMMARY:** This regulation establishes tolerances for residues of pyroxsulam in or on teff, grain; teff, forage; teff, hay; and teff, straw. Dow AgroSciences LLC requested these tolerances under the Federal Food, Drug, and Cosmetic Act (FFDCA).

**DATES:** This regulation is effective July 5, 2017. Objections and requests for hearings must be received on or before September 5, 2017, and must be filed in accordance with the instructions provided in 40 CFR part 178 (see also Unit I.C. of the **SUPPLEMENTARY INFORMATION**).

**ADDRESSES:** The docket for this action, identified by docket identification (ID) number EPA–HQ–OPP–2016–0066, is available at <http://www.regulations.gov> or at the Office of Pesticide Programs Regulatory Public Docket (OPP Docket) in the Environmental Protection Agency Docket Center (EPA/DC), West William Jefferson Clinton Bldg., Rm. 3334, 1301 Constitution Ave. NW., Washington, DC 20460–0001. The Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566–1744, and the telephone number for the OPP