



Pesticide Program Dialogue Committee

October 28-29, 2020

**Office of Pesticide Programs
U.S. Environmental Protection Agency**

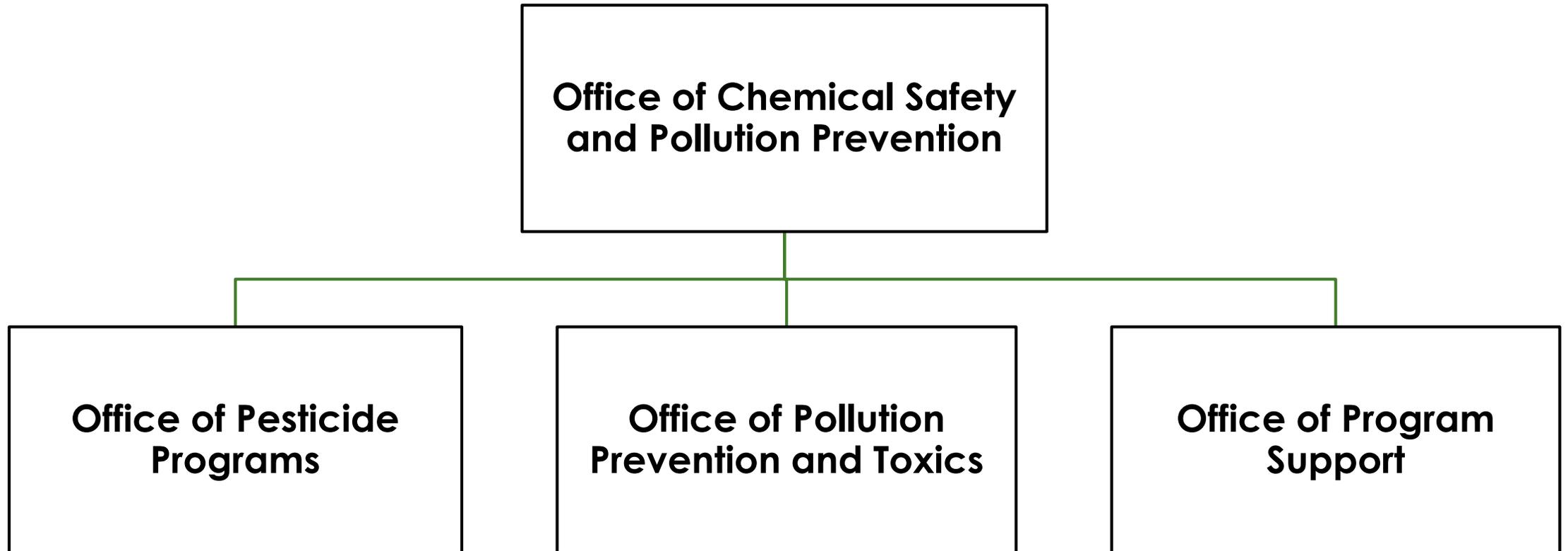


OPP Responsibilities

- Protect human health and the environment
- Ensure pesticide users have information (e.g., clear label) that allows for proper use
- Ensure any pesticide residues on food are safe
- Ensure decisions reflect the best science and policy judgments
- Meet market needs
 - Industry gets their products on the shelves
 - Farmers/other consumers get products they need
- Meet milestones and statutorily mandated deadlines for regulatory actions



New OCSP Org. Structure





Office of Pesticide Programs

Edward Messina, (Acting) Director
Arnold Layne, Deputy Director, Management
Michael Goodis, (Acting) Deputy Director, Programs

Endocrine Disruptor
Screening Program

Antimicrobials Division

Anita Pease, Director
Steven Weiss, Deputy Dir.

Biological and Economic Analysis Division

Kimberly Nesci, (Acting) Director
Neil Anderson, Deputy Dir.

Biopesticides and Pollution Prevention Division

Charles "Billy" Smith, Director
Anne Overstreet, Deputy Dir.

Environmental Fate and Effects Division

Jan Matuszko, Director
Brian Anderson, Assoc. Dir.

Health Effects Division

Dana Vogel, Director
Greg Akerman, (Acting) Assoc. Dir.
Donald Wilbur, Deputy Dir.

Pesticide Re-evaluation Division

Elissa Reaves, (Acting) Director
Vacant, Deputy Dir.

Registration Division

Marietta Echeverria, (Acting) Director
Catherine Aubee, (Acting) Assoc. Dir.
Daniel Rosenblatt, Deputy Dir.

New OPP Org. Structure



OPP Priorities: Protecting Human Health and the Environment

- Meeting PRIA statutory deadlines
- Progressing the registration review program
- Advancing critical science and policy issues
- Working collaboratively with state partners and other stakeholders to implement program
- Implementing EPA Lean Management System (ELMS) and other improvements across OPP



Meeting PRIA Statutory Deadlines



EPA FY20 Programmatic Support

- Over 13,315 submission via Portal
- Over 71,822 documents processed

EPA FY20 Registration Highlights

- An important part of our work under FIFRA is registering new active ingredients and uses to address pest management challenges, providing lower risk alternatives.
- Registered **16** new active ingredients
- Registered **163** new uses of existing pesticides
- Overall, **2,385** PRIA actions completed
 - 98% on-time completion rate
 - 34% renegotiation rate



FY20 New Active Ingredients

- Microbial active ingredient *Clonostachys rosea* strain CR-7 - designed to be applied by commercially-reared honey bees or bumble bees, thereby delivering a much lower amount of pesticide directly to the flowers (where pathogen entry is common).
- Nootkatone, which is responsible for the characteristic smell and taste of grapefruit, was discovered and developed by the Centers for Disease Control and Prevention to repel and kill ticks, mosquitoes, and a wide variety of other biting pests.
- Alphachloralose, a novel rodenticide used to control mice inside homes and buildings, and the first new rodenticide active ingredient registered in over 20 years. It acts by lowering the body temperature in mice. Mice then experience hypothermia, enter a chemical-induced sleep and die within as little as a few hours.
 - Alphachloralose is less toxic to humans than many rodenticide alternatives and is an alternative to other rodenticides such as anticoagulants or neurotoxins.
- NSPW Nanosilver for use in textiles, including fabrics, sportswear, footwear, linens, awnings as a materials preservative.



EPA FY20 Registration Highlights

- 68 Section 18 emergency exemption decisions

EPA FY20 Registration Highlights

- Worked closely with a consortium of pesticide industry trade organizations in addressing supply chain challenges (including those posed by the pandemic)
 - improving efficiencies in the pesticide registration process by allowing manufacturers to obtain certain inert ingredients (commodity inert ingredients) from different suppliers without checking with the agency for approval
- This effort began with the development of criteria for classifying an inert ingredient as a “commodity inert ingredient” and in the publication of a list of commodity inert ingredients



Progressing the Registration Review Program



Registration Review Highlights

- Section 3(g) of FIFRA requires EPA to review each registered pesticide every 15 years to ensure that each pesticide registration is based on current scientific and other knowledge regarding the pesticide, including its effects on human health and the environment.
- The first round of registration review began in October 2007 and all 725 “cases,” encompassing over 1,100 pesticide active ingredients, must be completed by the statutory deadline of October 1, 2022.
- 98 Registration Review decisions and 100 Draft Risk Assessments were completed In FY20.
- In fiscal year 2020 we focused registration review on pyrethroids, rodenticides, and the neonicotinoids.

EPA Program Accomplishments

Overall Registration Review Status

- 646 draft risk assessments completed (~11% remaining)
- 551 proposed interim decisions complete (~24% remaining)
- 481 final or interim decisions complete (~34% remaining)

EPA Registration Review Updates

Atrazine

- In September, EPA released the interim decisions for the triazines (atrazine, propazine and simazine) which finalize measures to protect human health and mitigate potential ecological risks while continuing to provide farmers with the valuable tools to control weeds in crops
- Specifically, the agency is requiring mitigation measures that:
 - Reduce the maximum application rate for atrazine and simazine when used on residential turf in order to protect children who crawl or play on atrazine-treated grass;
 - Add requirement for irrigation immediately after simazine application to residential turf;
 - Require additional personal protective equipment for workers who apply atrazine and simazine to reduce occupational risks associated with certain uses;
 - Finalize label requirements for all three triazines to include mandatory spray drift control measures to minimize pesticide drift into non-target areas, including water bodies; and,
 - Finalize label directions for herbicide resistance to reduce the problem of weeds becoming resistant to atrazine
- These mitigation measures will go into effect once EPA and states approve the new labels

EPA Registration Review Updates

Chlorpyrifos

- EPA recently announced in the Federal Register the publication of the ecological and revised human health draft risk assessments.
- The Proposed Interim Decision for chlorpyrifos is scheduled to be made available to the public in 2020.

Glyphosate

- In early February 2020, EPA issued the Glyphosate Interim Decision, which included mitigation and label changes to target pesticide sprays on intended pests, protect pollinators, and reduce the problem of weeds becoming resistant to glyphosate.
- After a thorough review of the best available science, as required under FIFRA, EPA concluded that there are no risks of concern to human health when glyphosate is used in accordance with its current label and that glyphosate is not a carcinogen.
- EPA's scientific findings on human health risk are consistent with the conclusions of science reviews by many other countries and other federal agencies.

EPA Registration Review Updates

■ **Rodenticides**

- The draft risk assessments for the rodenticides were completed this fiscal year
- The next steps in the registration review process include public comment on the risk assessments, followed by the Proposed Interim Decision in early 2021
- The Interim Decisions for the rodenticides are scheduled for late 2021

■ **Pyrethroids**

- Throughout 2020, EPA published numerous proposed interim decisions as well as some interim decisions for the pyrethroids. EPA plans to publish the remaining pyrethroid interim decisions in 2021

EPA Registration Review Updates

Neonicotinoids

- In February 2020, EPA published the Proposed Interim Decisions for the neonicotinoids acetamiprid, clothianidin, dinotefuran, imidacloprid, and thiamethoxam with proposed new measures reduce potential ecological risks, particularly to pollinators.
- This included proposing language on residential labels noting that the products for use on ornamental plants are, “intended for use by professional applicators.”
- If this mitigation is included in the Interim Decision, we expect that this will reduce the likelihood of misapplication, overapplication, or spraying when pollinators are around, and therefore reduce risk to pollinators.

EPA Registration Review Updates

Neonicotinoids continued

- To address risks to aquatic invertebrates from applications around homes, EPA proposed to add language to labels:
 - limiting band and perimeter treatments,
 - defining the size of “spot” treatments,
 - providing restrictions on applications to impervious horizontal surfaces except “spot” or crack and crevice treatments, and
 - providing rainfall restriction statements.
- The agency is also working with industry on developing and implementing stewardship and best management practices.
- Approximately 190,000 comments were received on the proposed interim decisions
- After reviewing public input, the agency anticipates issuing Interim Decisions in 2021.



Registration Review Updates

Paraquat

- EPA issued a proposed interim decision for paraquat, and is proposing new measures to reduce risks, to better to protect human health and the environment.
- EPA has taken steps outside of the standard registration review process, to ensure paraquat is used in a manner that is safe and consistent with the label directions.
 - This includes a safety awareness campaign and changes to labels and product packaging to stop improper uses, which have led to poisonings and deaths.
 - Additionally, specialized training for certified applicators who use paraquat was released earlier this year to ensure that the pesticide is used correctly. EPA is continuing to evaluate the effectiveness of these measures as the agency works to complete the required registration review process.



Registration Review Updates

- More in-depth updates will be found on the PPDC website, for glyphosate, chlorpyrifos, neonicotinoids and dicamba.
- Just type Pesticide Program Dialogue Committee in your search engine to find it.
- PPDC Website: <https://www.epa.gov/pesticide-advisory-committees-and-regulatory-partners/pesticide-program-dialogue-committee-ppdc>



Advancing Critical Science and Policy Issues

EPA Science Policy Achievements

- Released 3 new methodologies to improve drinking water assessments
- Released revised methods to conduct Biological Evaluations (BEs) under ESA
- Released draft BEs on methomyl and carbaryl
 - Hosted public webinar on the draft BEs for methomyl and carbaryl
- Submitted 2nd ESA report to Congress, highlighting the progress achieved in creating a more efficient and effective review process of pesticide impacts under ESA
- Released final avian waiver guidance and clarification guidance regarding acceptance of fish bioconcentration studies

EPA Science Policy Achievements

- Participated in the Rethinking Carcinogenicity Assessment for Agrochemicals Project workgroup
- Collaborated with PETA-ISC, Canada Pest Management Regulatory Agency, Australian Pesticides and Veterinary Medicines Authority, and several pesticide registrants to develop a risk-based weight of evidence analysis framework for use in evaluating the need for chronic/carcinogenicity testing in rodents for pesticide active ingredients

EPA Science Policy Achievements

- Made significant strides in several areas that support the Administrator's Pollinator Initiative:
 - Co-hosted with USDA the Pollinator State of Science Workshop webinar
 - Hosted webinar, Agricultural Stewardship and Best Management Practices to Reduce Pollinator Risk
 - Conducted a series of 5 Pollinator-focused public webinars, including 2 on the design of honey-bee studies and the bee risk assessment framework
 - Established the first ever EPA Pollinator Week, joining our Federal partners with similar initiatives at the Department of Agriculture and the Department of the Interior



Collaboration with State Partners and other Stakeholders

EPA Program Accomplishments

- **Center for Integrated Pest Management (IPM)** developed and hosted IPM-focused webinars and assisted other Divisions and the Regions by supporting their webinars.
 - **IPM Webinar Series** - The eight-part series drew over 3,300 attendees comprised of school staff, public health specialists, pest management professionals, as well as tribal and state governments
 - **Region 1 Tick and Mosquito Management Webinars** –Hosted two webinars, led by EPA Region 1 on mosquito threats and controls for camp and recreational land managers that drew 325 participants
 - **International Teleclass on Mosquito Management** - Presented a Webber Teleclass on mosquitoes and prevention of mosquito-borne diseases to over 950 attendees that drew an additional 3,000+ views of the recording

EPA Rulemakings

- Proposed Rule for Exemptions of Certain Plant-Incorporated Protectants (PIPs) Derived from Newer Technologies
- Draft Proposal to Improve Pest Resistance for Plant-Incorporated Protectants
- Drafted final rule revising pesticide crop grouping regulations for herbs and spices
- Drafted AEZ final rule to clarify and simplify requirements
- Made updates to the List of Pests of Significant Public Health Importance
- Drafted Pesticide Product Performance Data Requirements Rule
- Proposed Rule for Chitosan Minimum Risk

FY20 Mission Administrative Support

- 810 FOIA requests
- 160 dockets
- 559,100 public comments
- Over 900 web pages

EPA FY20 Communications

- Responded to over 9,000 webmails
- Developed:
 - 15 press releases
 - 48 OPP Updates
 - 180 press responses
 - 80 letters



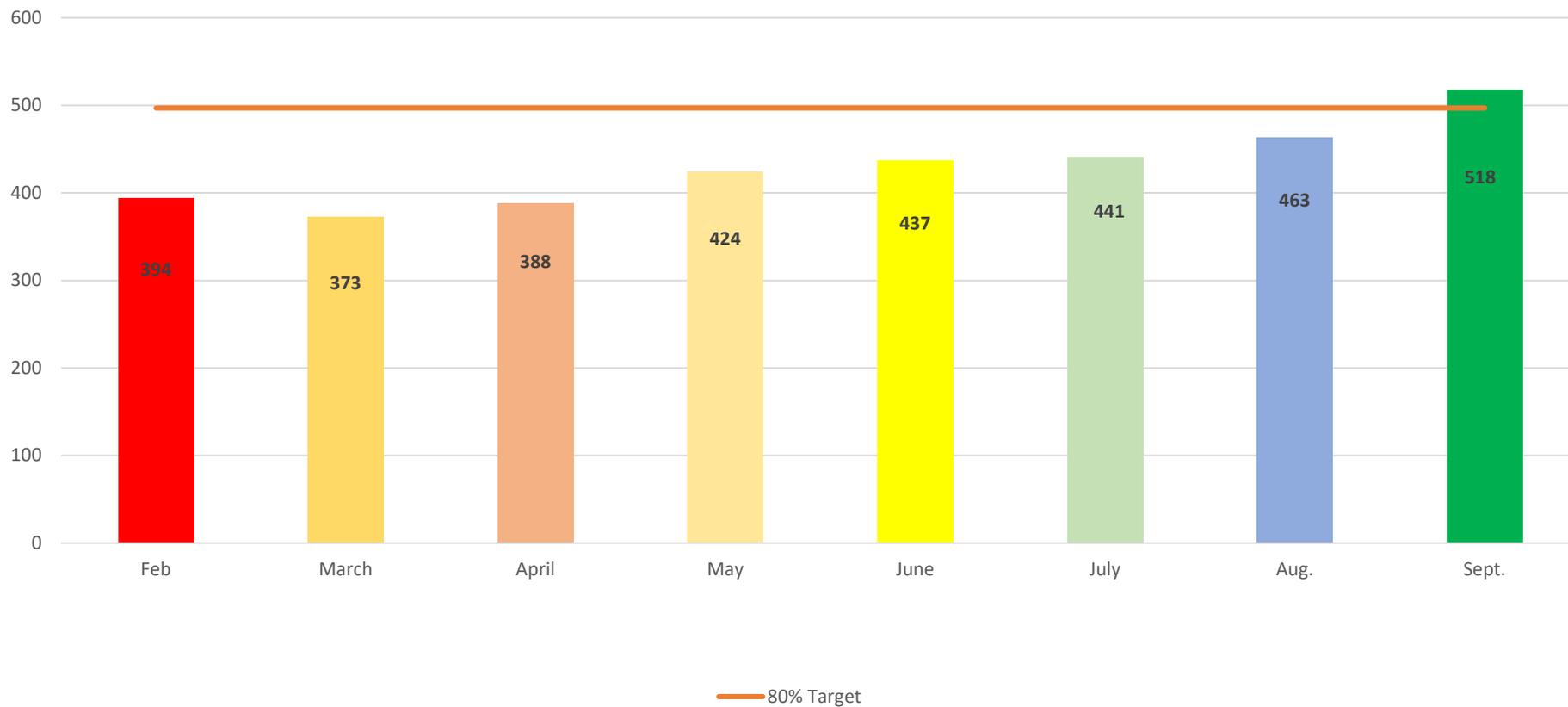
EPA LEAN Management System (ELMS) and other Improvements

EPA FY20 OPP Bowling Chart Results

| Metric ID | Performance Metric Title | Custom Field | JOP | Target Direction | | YTD |
|--|---|--------------------------|----------|------------------|--------|-------|
| Breakthrough Metrics | | | | | | |
| B01.OCSPP | Average number of days to complete PRIA decisions for new | N (mo) = 3; N (YTD) = 15 | 09/30/17 | Decreasing | Target | 619 |
| | | | 655 | | Actual | 876 |
| B02.OCSPP | Number of FIFRA decisions completed through pesticides | | 10/01/16 | Increasing | Target | 493 |
| | | | 239 | | Actual | 481 |
| Operational / Sustainment Metrics | | | | | | |
| S01.OCSPP | Percentage of decisions (registration actions) completed | 46 late out of 2385 | 10/01/16 | Increasing | Target | 99.0% |
| | | | 94.0% | | Actual | 98.1% |
| S02.OCSPP | Average number of days exceeding the PRIA decision timeframes for | N (mo) = 2; N (YTD) = 14 | 09/30/17 | Decreasing | Target | 272 |
| | | | 316 | | Actual | 353 |
| S03.OCSPP | Percentage of pending new active ingredients for which PRIA due | =15/53 | 09/30/19 | Decreasing | Target | - |
| | | | 32.6% | | Actual | 28.3% |
| S04.OCSPP | Number of FIFRA registration review draft risk assessments | | 10/01/16 | Increasing | Target | 629 |
| | | | 351 | | Actual | 646 |

EPA ELMS Deployment

FY 2020 OPP ELMS Deployment By Month





Questions & Answers