COFFEE SUSTAINABILITY REFERENCE CODE

ANNEX: PESTICIDES LISTS
OVERVIEW

The Coffee Sustainability Reference Code is a common language to help the coffee sector collectively advance farmers’ prosperity, improved well-being, and the conservation of nature.

Highly Hazardous Pesticides are pesticides that are acknowledged to present particularly severe hazards to health or environment. The Global Coffee Platform (GCP) uses internationally recognised classification systems including the Globally Harmonized System (GHS), listings of World Health Organization (WHO) and US Environmental Protection Agency (EPA) and international agreements or conventions.

To reduce risks to farmers and workers’ health or the environment, the Coffee Sustainability Reference Code, Principle 9.3 on Pest and Weed Management, includes two lists of pesticides. One of pesticides which are not to be used (Prohibited List) and one of pesticides that are to be reduced and phased out (Phase-out List).

The scope of the GCP Pesticides Lists is green coffee production and primary processing worldwide. It does not cover pesticides use in other parts of the coffee value chains like storage and transportation.

PROHIBITED LIST

Pesticides in the Prohibited List are not used.
This includes pesticides that are:

1. Listed under the Stockholm Convention, Rotterdam Convention or Montreal Protocol; or which meet the criteria of the Conventions and are recommended for inclusion by the respective Conventions’ Chemical Review Committee.

2. In one of the three most acutely toxic classifications via ingestion, skin contact or inhalation, or known carcinogens, classified by national or international regulatory agencies.

OR

PHASE-OUT LIST

Use of pesticides in the Phase-out List are reduced through use of Integrated Pest Management (see Glossary) and phased out by 2030, if feasible. This includes pesticides that are classified by national and international regulatory agencies in the categories of:

1. Chronic hazard, including probable carcinogens, known endocrine disruptors, known reproductive toxins or known mutagens

2. Environmental hazards (highly toxic to bees, OR two or more of: bioaccumulation, persistence, high toxicity to aquatic organisms)

3. Pesticides with Prohibited List hazard characteristics but excluded from the Prohibited List because they are not prohibited by other certification standards
GCP Pesticides Working Group

A working group, convened by GCP, supports the sector in general and coffee farmers in particular, in the transition to less hazardous pesticides. This includes, ensuring the GCP Pesticides Lists remain relevant and fit for purpose, identification of substances for which collective action is needed, amongst others. Organisations that work with coffee producers, particularly smallholder farmers, are encouraged to support them to reduce the use of pesticides included in the Phase-Out List to gradually meet the phase-out goal. GCP aims at supporting these efforts, for example through GCP Collective Action Initiatives on Agrochemicals and Agro-Inputs as already existing in Brazil and Vietnam.

Notes on Prohibited List:

1. Acute Toxicity: ‘Extremely hazardous’ WHO class 1a according to the World Health Organisation Recommended Classification of Pesticides by hazard; ‘Highly hazardous’ WHO class 1b according to the WHO Recommended Classification of Pesticides by hazard; ‘Fatal if inhaled’ H330 hazard statement according to the Globally Harmonized System (GHS) for classification and labelling of chemicals.

2. Known Carcinogens: The highest concern classifications, equivalent to ‘known carcinogen’, according to the US Environmental Protection Agency (EPA), the International Agency for Research on Cancer (IARC) and the Globally Harmonized System (GHS).

3. The coffee relevant column indicates substances that are reported to be used in green coffee production in multiple countries. It intends to facilitate the reading of the Prohibited List, it is indicative and not exhaustive.

Notes on Phase-out List:

4. Cancer Hazard: The second highest concern classifications, equivalent to ‘probable or likely carcinogen’, according to the US Environmental Protection Agency (EPA), the International Agency for Research on Cancer (IARC) and the Globally Harmonized System (GHS).

5. Chronic Health Hazard: Known mutagenic substances, according to the Globally Harmonized System (GHS). These are known to trigger mutations in human germ cells (eggs or sperm) which can be inherited by the children. Known or presumed human reproductive toxicants, according to the Globally Harmonized System. These substances can adversely affect human reproduction. Endocrine disruptors, according to GHS and EU classifications. These substances can upset the hormone signalling systems in humans, with effects on normal development, growth, reproduction, metabolism and links to cancers of the reproductive organs.

6. Environmental Hazards: Very persistent in water, soil or sediment, according to the Stockholm Convention. Very bio accumulative, according to the Stockholm Convention. These substances build up in the food chain, affecting top level predators, including humans. Very highly toxic for aquatic organisms, according to water flea toxicity threshold data used by the US Environmental Protection Agency. Highly toxic for bees, according to toxicity threshold data of US Environmental Protection Agency. Note that to qualify in the GCP Phase-out List for environmental hazard, a pesticide must meet two of the three criteria for persistence, bioaccumulation and toxicity and/or be highly toxic for bees.

7. Emergency use derogations for schemes recognized by GCP as equivalent to the Coffee Sustainability Reference Code are permitted under the GCP Equivalence Mechanism, subject to controls that may include: necessity of use, availability of alternatives and identification efforts, specific time limitations on validity of derogation, etc.
8. The coffee relevant column indicates substances that are reported to be used in green coffee production in multiple countries. It intends to facilitate the reading of the Phase-Out List, it is indicative and not exhaustive.

9. The Phase-out List is divided according to the timelines for phase-out: 2026 or 2030.

   • Pesticides in wide use, or where alternatives are not available, are proposed to have a phase-out date of 2030 to give producers more time to adapt and GCP and other stakeholders time to develop initiatives to identify, trial and promote alternatives.

   • Pesticides that are not in wide use AND pesticides that may be affected by upcoming changes in pesticides legislations, changes in MRLs, knowledge of harms.

   • The next review of the Coffee Sustainability Reference Code is planned for 2025/2026 and will include a revision of the GCP Pesticides Lists. This step before the targeted timeline of 2026 kicks in, will allow for a check on the feasibility of the phase out of the pesticides.
## PROHIBITED LIST

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## Notes on Phase-out List:

- **GHS+:** This list uses the EU and the Japan GHS (Global Harmonized System on Classification and Labelling of Chemicals).
- **X:** Annex III of the Rotterdam Convention includes certain specific formulations.
- **CF:** Formulations have been agreed by the Rotterdam CRC to meet the criteria for listing and are recommended for inclusion but are not yet formally listed.
- **C PIC:** Material meets the criteria of the Rotterdam Convention and is recommended for inclusion by the Convention’s Chemical Review Committee but has not yet been listed.
- **C POP:** Material meets the criteria of the Stockholm Convention and is recommended for inclusion by the Convention’s Chemical Review Committee but has not yet been listed.

* Although sulfiramid is not specially listed under the Stockholm Convention it is regarded by the Stockholm COP as being listed because it is derived from and breaks down into substances that are listed (PFOS and salts).

** This list uses the same classification for hydrogen cyanide as for calcium cyanide. According to WHO (2019) Calcium cyanide reacts with moisture to produce hydrogen cyanide gas. Hydrogen cyanide is fatal if swallowed, in contact with skin or if inhaled. In liquid form this substance is also fatal if swallowed or in contact with skin.
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<th>Very Persistent in Water, Soil or Sediment</th>
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**PHASE-OUT LIST 2026**

**Probable Carcinogens**

**Chronic Toxicity**

**Environmental Toxicity**

**Coffee Relevant**

COFFEE SUSTAINABILITY REFERENCE CODE > PHASE-OUT LIST 2026
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**Notes on Phase-out List 2026:**

**EPA prob likel carc:** Italic “1” stands for classified by EPA as “Likely to be Carcinogenic to Humans: At High Doses”

**GHS:** Global Harmonised System of Classification and Labelling of Chemicals
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</tbody>
</table>

### Notes on Phase-out List 2030:

**EPA prob likel carc:** Italic “1” stands for classified by EPA as “Likely to be Carcinogenic to Humans: At High Doses”

**GHS:** Global Harmonised System of Classification and Labelling of Chemicals

### Document history

<table>
<thead>
<tr>
<th>Version</th>
<th>Effective date / as of</th>
<th>Details of Change</th>
</tr>
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<tbody>
<tr>
<td>v1.0</td>
<td>October 2021</td>
<td>Published together with the Coffee SR Code</td>
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</tbody>
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| v1.1    | August 2023            | - Zeta-cypermethrin moved from the Prohibited List to the Phase-out List due to WHO reclassification  
- Abamectin, Copper (II) Hydroxide, Diquat Dibromide, Fenpyroximate, Lambda-cyhalothrin and Tebuconazole moved from the Prohibited List to the Phase-out List for alignment with certification schemes.  
- Fenpyroximate, Imidacloprid, Diquat Dibromide, Glufosinate-ammonium and Copper (II Hydroxide) marked as coffee relevant substances.  
- Classification of pesticides in the Phase-out List according to 2026 and 2030 phase-out timelines.  
- Clarification of the scope of the GCP Pesticides Lists. Updated reference to the Pesticides Action Group. |
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