

Thurston County's IPM Pesticide Ranking System

Pesticide review ratings:

- PASS - First choice for product selection. Can be used with an approved prescription.
- CONDITIONAL – Second choice for product selection. Can be used with an approved prescription and additional approval from the Vegetation Management Coordinator.
- FAIL – last choice for product selection. Requires an approved prescriptions and additional approval from Board of County Commissioners and Board of Health.

Elements for pesticide products to receive a “fail” review rating:

- Contains an EPA designated List 1 or List 2 inert ingredient
- Contains ingredient that has a mammalian LD50 \leq 50 mg/kg
- Contains a persistent ingredient that has the potential to bioaccumulate
- Contains ingredient with a cancer designation of:
 - EPA Group A – Human carcinogen
 - EPA Group B – Probable human carcinogen
 - EPA Group C – Possible human carcinogen
 - EPA – “Likely to be Carcinogenic to Humans” or “Known / Likely”
 - International Agency for Research on Cancer (IARC) Group 1, Group 2A, or Group 2B
 - National Institute of Environmental Health Sciences (NTP) designation - “Known to be Human Carcinogens” or “Reasonably Anticipated to be Human Carcinogens”
- Contains ingredient with positive evidence of mutagenicity;
 - Any mammalian cell mutation assay(s); or
 - Microbial assay(s) with mammalian enzyme activation.
 - Human risk assessment for active ingredient has less than a two-fold safety factor above the EPA’s level of concern for acute or chronic toxicity.

Elements for pesticide products to receive a “conditional” review rating:

- Contains an ingredient that is considered mobile and persistent but low in acute and chronic toxicity hazards.
- Human risk assessment for active ingredient has at least a two-fold, but less than a ten-fold, safety factor above the EPA’s level of concern for acute or chronic toxicity.

Elements for pesticide products to receive a “pass” review rating:

- Product is registered by the WSDA as a pesticide.
- Contains none of the criteria listed in the conditional or fail rating.
- Risk assessment for active ingredient has at least ten-fold safety factor above the EPA’s level of concern for human acute or chronic toxicity.
- Risk assessment for active ingredient does not exceed the EPA’s level of concern for non-target organisms that has the potential to be at the application site.