

City of Boulder – Hazard Tier Criteria for Approved Pesticide List

<p>Allowed – Least hazardous</p> <p><i>Staff-level decision to use within parameters of IPM process*</i></p>	<p>Conditional – More hazardous</p> <p><i>Use limited to specific sites and/or pests and only by approved application method*</i></p>	<p>Special Use – Most hazardous</p> <p><i>Must be no available effective non-chemical method or alternative products in lower tiers. Decrease exposure potential as much as possible to applicator, the public, non-target organisms and the environment. Pest must exceed threshold and pose specific hazard/cost that outweighs risks from pesticide. Requires ongoing search for less hazardous alternative or replacement*</i></p>	<p>Failed – Not allowed</p> <p><i>Current hazard assessment and potential exposure to people or the environment is too high risk for use on city properties.</i></p>
<ul style="list-style-type: none"> • Active and inert ingredients meet criteria for EPA 25(b) Exemption or • OMRI approved product or • Human acute toxicity is low • No evidence of carcinogenicity • No evidence of neurotoxicity • No evidence of endocrine disruption • No evidence of reproductive toxicity • No evidence of mutagenicity or other serious human health concerns • Poses minimal harm to wildlife, soil health, ecosystem function or biodiversity • Minimal concern as water pollutant • Persistence less than 30 days • Low to extremely low soil mobility • Exceeds all criteria for conditional or restricted categories 	<ul style="list-style-type: none"> • Low in acute toxicity and chronic health hazards • Low or moderate toxicity to non-target organisms, including soil health and other ecosystem impacts • Application method avoids or limits non-target organism exposure and/or risk • Not listed as PBT (persistent, bioaccumulative or toxic chemical) • Persistence less than 100 days or is mitigated by targeted application that minimizes exposure to soil and/or water • Low or moderate soil mobility 	<ul style="list-style-type: none"> • EPA restricted use pesticide or • Mammalian LD50 of 50 mg/kg or • Systemic insecticide and/or • Has one or more of the following factors: <ul style="list-style-type: none"> ○ Known, likely or probable carcinogen ○ Known or suspected reproductive toxin ○ Probable or known endocrine disruptor ○ Known or suspected mutagen ○ Known or suspected neurotoxin ○ Known or suspected to cause organ damage ○ Known or suspected chromosomal or genetic damage ○ Water pollutant ○ Extremely/highly toxic to birds ○ Extremely/highly toxic to aquatic organisms ○ Extremely/highly toxic to bees ○ Extremely/highly toxic to wildlife ○ Persistence is greater than 100 days ○ High or very high soil mobility ○ Not listed as PBT (persistent, bioaccumulative or toxic chemical) 	<ul style="list-style-type: none"> • Product not registered with state of Colorado** • Organophosphate chemicals • Carbamate chemicals • Neonicotinoid insecticides • Glyphosate herbicides • Contains inert ingredient of EPA toxicological concern (List 1 or 2) • Has one or more issues identified in the Special Use category without adequate or acceptable mitigation to address human health and/or environmental concerns. • Disrupts ecosystem function or potentially impacts biodiversity objectives for the site • Contributes significantly to build-up of greenhouse gases, climate change, or destruction of the ozone layer • Significant risk to threatened or endangered species

*Pesticides from all tiers may only be used as a last resort.

** Does not apply to EPA 25(b) exempt products.