

Lane County, Department of Public Works.
Product Considerations for Permitted Products List, Per 15.510 sec (4) a-e / Incorp. sec. (5) a-e

Chemical Properties

Product Name	HABITAT	Active Ingredients	Isopropylamine Salt of Imazapyr 28.7%
Known Inerts	Total Inerts 71.3%	Other Additives	Can be mixed or combined

Human Toxicity Considerations.

4(a)i : Substances classified as known , likely , or probable carcinogen by the US EPA	EPA Classification: "Not Likely to be Carcinogenic to Humans"
4(a)ii : Substances classified as a known, likely, or probable carcinogen by IARC	Class 4: "Probably Not Carcinogenic to Humans"
4(a)iii : Substances listed by the state of California (Prop 65 list) or the National Toxicology program as know, likely, or probable human carcinogens.	No Cal Prop 65: known, likely or probable human carcinogens.
4(b) : Product contains no reproductive toxicants (CA Prop 65 list).	No Cal Prop 65 listed reproductive toxicants.
4(c) : Product contains no ingredients listed by Illinois EPA as known or probable endocrine disruptors.	Contains no ingredients listed as possible Endocrine Disruptors.
4(d) : Product is not acutely toxic to humans: product is not labeled as DANGER or POISON (Toxicity Class I or II).	Toxicity Class IV: EPA Signal word "Caution"
4(e) : Product contains no nervous system toxicants (ingredients that are cholinesterase inhibitors and/or listed as nuerotoxic by the Toxics Release Inventory).	No listed nervous system toxicants or Cholinesterase inhibitors

Additional Considerations. Red = did not satisfy criteria

5(a) : Active ingredient has soil half-life of 30 days or less (<i>exception for minerals</i>)	Soil Half-Life: 60-120 days. Average 90 days
5(b) : Active ingredient has extremely low or very low mobility in soils	Low soil mobility, Microbial degradation in soils
5(c) : Product is not found in US EPA of pesticide programs Registration Eligibility Decisions (RED's, IRED's, and TRED's) to exceed a level of concern for fish, Aquatic insects, aquatic and semi-aquatic plants, or wildlife.	Product is not found in EPA decision for RED's, IRED's or TRED's
5(d) : Active ingredients have not been detected in salmon waters at a level harmful to aquatic life	Aquatic labeled herbicide. No Salmon Information detected.
5(e) : Product is not labeled as toxic to fish, birds, bees, wildlife, or domestic animals.	EPA Classification: "Practically Non-Toxic"

Product Comments & Information

Habitat herbicide will control most annual and perennial grasses and broadleaf weeds in addition to many brush and vine species with some residual control of undesirable species that germinate above the waterline. Habitat herbicide also controls floating and emergent vegetation. Habitat may be applied to aquatic sites to control weeds and invasive species. Habitat herbicide is considered a true "low-volume herbicide"

Intended Use of Herbicides	Zone	Zone	Zone	Zone
1. Weed / Non-Preferred vegetation: Noxious weeds, invasive species, persistent vegetation, non-herbicide resistant species.	A	B	C	O
2. Public Safety: Road visibility, guardrails, road signs, public health, road condition, road shoulder.	A	B	C	O
3. Woody Plant Material: Foliar, cut stump, encroachment, hazard, mechanical resilience.	A	B	C	O
4. Road Structure: Drainage, road stability, erosion, integrity.	A	B	C	O
5. CIP: maintenance, pre-emergent, restoration.	A	B	C	O

Zone Descriptions: *planned use area is shaded/ colored*

Zone A: Road edge to foreslope of ditch **Zone B:** Drainage ditch **Zone C:** Backslope to ROW egde **Zone O -** Other areas

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Documented Vegetation Control / Eradication with Habitat Herbicide

Annual, Perennial Species	Grass, Sedge, Rush Species	Woody Brush and Trees
<i>Poison Hemlock</i>	<i>Reed Canary Grass</i>	<i>Willow</i>
<i>Purple Loosestrife</i>	<i>Crabgrass</i>	<i>Ash</i>
<i>Burdock</i>	<i>Annual Bluegrass</i>	<i>Bigleaf Maple</i>
<i>Bindweeds</i>	<i>Brome spp.</i>	<i>Black Locust</i>
<i>Common Chickweed</i>	<i>Fescue</i>	<i>Cherry</i>
<i>Fleabane</i>	<i>Foxtail</i>	<i>Dogwood</i>
<i>Miners lettuce</i>	<i>Kentucky Bluegrass</i>	<i>Hawthorn</i>
<i>Oxeye daisy</i>	<i>Orchardgrass</i>	<i>Honeylocust</i>
<i>Puncturevine</i>	<i>Morningglory</i>	<i>Oak</i>
<i>Russian Thistle</i>		<i>Poplar</i>
<i>Bull Thistle</i>		<i>Red Alder</i>
<i>Knotweeds</i>		<i>Poison Oak / IVY</i>
<i>Spurge, annual</i>		<i>Multiflora Rose</i>
<i>Yellow /starthislte</i>		
<i>Milkweed</i>		
<i>Nightshade</i>		

Partial list of plant species negatively effected by this herbicide.

Manufacturer Information & Contact Information

Manufacturer	BASF Corporation		EPA Reg. No.	241-426	
Product Information Contact	www.vmanswers.com		Emergency Contact	1-800-832-HELP	
CAS # A.	81510-83-0	pH	6.6-7.2 ph	Appearance	Clear Blue- Liquid
CAS # I.	N/A	Associated inert CAS # Name		N/A	
CAS # I.	N/A	Associated inert CAS # Name		N/A	
CAS # I.	N/A	Associated inert CAS # Name		N/A	