

Label Setback *or* Buffer Requirements for Chlorpyrifos *and* Synthetic Pyrethroids

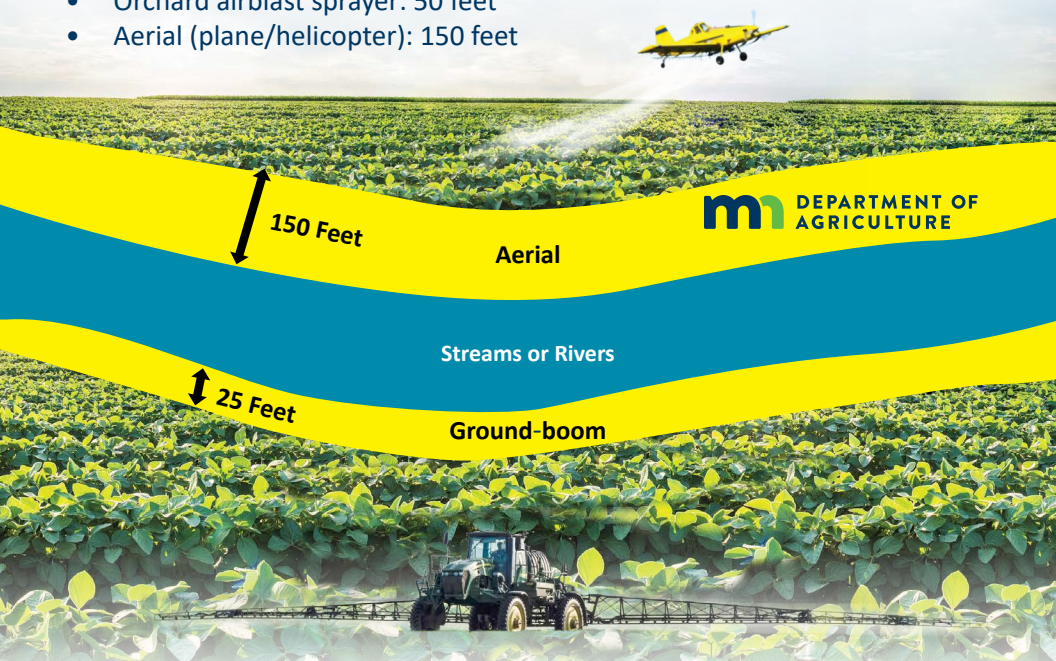
Pesticide applicators are required to follow setback or buffer requirements on a pesticide label. Listed here are the label application setback or buffer requirements for chlorpyrifos and synthetic pyrethroids used in Minnesota. Chlorpyrifos and synthetic pyrethroids can be highly toxic to aquatic species. Chlorpyrifos has been detected at levels of concern in surface water in Minnesota. To protect Minnesota's water resources, do not allow the runoff of insecticides from the target field to reach nearby water bodies. When using insecticide premixes or tank-mixes, always use the most restrictive setbacks.

This information is not a substitute for the product label. Always carefully read, understand, and follow the product label.

CHLORPYRIFOS (*Liquid Based Products*)

Chlorpyrifos application setbacks vary with application method. Maintain the following application setbacks from permanent water bodies such as rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries, and commercial fish ponds for chlorpyrifos products:

- Ground-boom: 25 feet
- Orchard airblast sprayer: 50 feet
- Aerial (plane/helicopter): 150 feet



150 Feet

Aerial

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Streams or Rivers

25 Feet

Ground-boom

SYNTHETIC PYRETHROIDS

(bifenthrin, esfenvalerate, lambda-cyhalothrin, zeta cypermethrin, beta cyfluthrin, permethrin)

Vegetative Buffer Strip

- Construct and maintain a minimum 10 foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish farm ponds).

Buffer Zone for Ground Application *(ground-boom, overhead chemigation, or airblast)*

- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for Non-ULV (Ultra Low Volume) Aerial Application *(Plane/Helicopter)*

- Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

TEFLUTHRIN

Do not apply this product within 20 yards (60 feet) of aquatic bodies (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish farm ponds).

Highly Erodible Land (HEL)

- When the highly erodible land is adjacent to aquatic bodies, the entire 20 yards (60 feet) buffer/setback must be left to grass or other natural vegetation.

