

BOARD OF PESTICIDES CONTROL
APPLICATION FOR VARIANCE PERMIT
(Pursuant to Chapter 29, Section 6 of the Board's Regulations)

I. Gustave S Nothstein Cell: (207) 441-4521
Name Telephone Number

Maine Department of Transportation, Bureau of Maintenance & Operations
Company Name

16 State House Station Augusta Maine 04333-0016
Address City State Zip

II. Area(s) where pesticide will be applied:

- Selected State maintained roads and other transportation facilities such as buildings, maintenance lots, bridges, and railroads, and adjacent areas within the right of way thereof.
- Selected target plants include: evergreen trees up to 3 feet high and deciduous trees up to 6 feet high; grasses and weeds in guardrail areas, in pavement cracks, invasive plants; plants that present a health risk; or other plants necessary to control for transportation purposes.

III. Pesticide(s) to be applied:

The following products or equivalents may be used as the only product in the mix or in various combinations and concentrations.

Garlon 4 Ultra	(triclopyr)	62719-527
Garlon XRT	(triclopyr)	62719-553
Escort XP	(Metsulfuron methyl)	432-1549
MSM_60	(Metsulfuron methyl)	81927-7
Arsenal Powerline	(imazapyr)	241-431
Krenite S	(fosamine ammonium)	42750-247
Various brands	(glyphosate)	
Oust XP	(sulfometuron methyl)	432-1552
SFM 75	(sulfometuron methyl)	81927-26

IV. Purpose of pesticide application:

- Control of woody brush on roadsides to maintain safety clear zones, sight distances, enhance winter solar access to pavement, and provide snow storage.
- Control of grasses and weeds in cracks in pavement in preparation for asphalt surface treatments.
- Control of grasses and weeds in guardrail areas to enhance sight distances, visibility of and access to structures, signs, and other devices.
- Control of invasive plants
- Control of plants that present a health risk to department or contract workers.
- Control of other plants necessary to control for transportation purposes.

V. Approximate dates of spray application: April 15, 2023 to December 31, 2023

VI. Application Equipment:

- Hypro 10 gpm diaphragm piston pump hydraulic sprayer with handgun or equivalent, 100 to 700 gallon tanks.
- 1800 gallon patrol truck mounted spray apparatus with Hypro Hydraulic Centrifugal pump
- Low pressure, low application rate, side mounted off center nozzles for roadside weed control spraying.
- Low pressure, low application rate, no drift raindrop nozzle. for guardrail application.

- Backpack and hand pump sprayers.

VII. Standard(s) to be varied from:

Chapter 29 - Section 6. Buffer Requirement Part (A)

VIII. Reason for variance:

To provide control of brush, annual, or perennial plants growing within a distance from 25 feet to 10 feet from waters as defined in the regulation. Brush and other plants targeted for control will be those which impede visibility of the road, signs, guardrail, entrances, and other structures; cause shading of the road surface; are considered an invasive plant; are a health risk: or other plants necessary to control for transportation purposes.

IX. Method to assure equivalent protection:

- 1) Roadside brush control: use large nozzle disc size for enlarged droplet size, use a tank mix particulating agent for enlarged droplet size, use sticker-spreader-extender to adhere spray materials to ground or leaf surface and make rain fast, use pump pressure of 25-125 psi to maintain spray stream trajectory of less than 40 feet, use low volatile chemicals at lowest effective rates, maintain notification signage on spray trucks, offer no-spray agreements. Spray when ground is dry and not saturated with water. Avoid spraying when forecasts show a threat of heavy rains. Do not spray on rainy days and cease spray operations if rain is in the immediate forecast.
- 2) Roadside broadleaf weeds: use low pressure of 30 to 100 psi, low volume per acre techniques with side mounted off center nozzles that produce large droplets over a controlled spray pattern of 6 to 20 feet, use a slow ground speed of 15 mph or less, use a sticker extender to adhere spray materials to the ground or leaf surfaces and make rain fast, use low volatile chemicals at lowest effective rates, maintain notification signage on spray trucks, offer no-spray agreements. Spray when ground is dry and not saturated with water. Avoid spraying when forecasts show a threat of heavy rains. Do not spray on rainy days and cease spray operations if rain is in the immediate forecast.
- 3) Cracks in pavement, guardrail, invasive plants, plants that are a health risk, or other plants: use a low pump pressure of 25 to 50 PSI; use a tank mix particulating agent for enlarged droplet size, use a spray gun and spray nozzles that will produce raindrop size particles with no fine particle sizes that can drift away from target, use non-volatile chemicals at lowest effective rates, use a sticker-spreader-extender to adhere spray materials to ground or leaf surface and make rain fast, maintain notification signage on spray trucks. Spray when ground is dry and not saturated with water. Avoid spraying when forecasts show a threat of heavy rains. Do not spray on rainy days and cease spray operations if rain is in the immediate forecast.

Signed: 

Date: February 10, 2023

Return completed form to: **Board of Pesticides Control, 28 State House Station, Augusta, ME 04333-0028**

OR E-mail to: pesticides@maine.gov