

## Mixing Herbicides for Houndstongue and Thistle

Milestone works well on the thistle and knapweed complex plants but is not recommended for Houndstongue. Amine 4 (2,4-D) mixed @ 2 to 3 oz per gallon in hand spray situation will work on Houndstongue rosettes prior to bolting in Spring or on Fall seedlings. This will also get dandelions. Once a Houndstongue stalk is forming (bolting in Spring) switch to Escort XP or or Perspective.

For hand spraying:

Escort XP: mix 1 gram per gallon of water assuming that your hand sprayer is calibrated to around 50 gallons per acre. 1-2 oz of Escort per acre is the required dose for HT.

Perspective: mix 3.5 grams per gallon of water assuming that your hand sprayer is calibrated to around 50 gallons per acre. 5-8 oz of Perspective per acre is the required dose. Perspective or Milestone are labeled for Canada thistle. Mix Milestone @ 1 oz per 10 gallons (1/10th oz. per gallon) for hand spraying thistle.

With both of the above dry formulation products pre-mix them in a 1/2 gallon or 1 gallon plastic bottle filled 1/2 with water, cap and shake well, then add to tank. Add more water to plastic jug (1-2") , cap and shake and add to tank mix. Do this 3 times total. This is called triple rinsing to get all the product out of the jug. I use an indelible marker to write "herbicide only" on the plastic jug to prevent others from using it for other things.

With all the above products always add non-ionic surfactant (such as Spreader 90) at 1 oz per 3 gallons of solution.

Hand Sprayer Calibration information: [www.laplataweeds.org](http://www.laplataweeds.org) /Education and Resources/Small Sprayer Calibration.