

Backpack Spot-Spray Measuring Guide

for low-volume water and ultralow-volume THINVERT applications

DuPont™ Escort® XP and Telar® XP herbicides

Escort® XP and Telar® XP herbicides gram tube conversion table

Approximate rate in grams per backpack size

Herbicide rate/ 100 gal	Grams/ 1 gal	Grams/ 2 gal	Grams/ 3 gal	Grams/ 4 gal
½ oz	—	¼	½	¾
1 oz	¼	½	¾	1
2 oz	½	1	1¾	2¼
3 oz	¾	1¾	2½	3½
4 oz	1	2¼	3½	4½
6 oz	1¾	3½	5	6¾
8 oz	2¼	4½	6¾	9

- Using gram measurement tubes give approximate weight. For precise measurement, product should be weighed using a scale. Amounts are rounded to the closest ¼ gram increment as measured with the Escort® XP or Telar® XP gram measurement tubes.
- Use quality adjuvants to ensure coverage and compatibility of the mixture.
- To ensure proper label use for a given sprayer, the sprayer must be calibrated prior to use. Refer to the DuPont Calibration Guide.

Broadcast applications of Telar® XP and Escort® XP on noxious weeds

To determine the spray rate per acre and the amount of herbicide to place into the spray tank, applicators must calibrate their spray equipment. Follow the steps below for calibration of equipment.

1. Measure a 33.5-foot square, which is equivalent to 1,000 square feet.
2. Record (in seconds) the amount of time required to treat the 1,000-foot area with the designated equipment and amount of water.
3. Spray (in seconds) into a container for the same amount of time it took to treat the 1,000-square foot area. Measure the amount in ounces, divide by 128 to get the number of gallons.
4. Multiply the number of gallons caught in the container by 43. This will provide a gallon-per-acre (GPA) rate for the designated spray equipment.
5. Add the per acre rate of DuPont™ Telar® XP or Escort® XP to every GPA amount in the sprayer.

Example:

- Seconds (80) to treat area.
- 90 ounces caught divided by 128 = 0.7 gallons.
- 43×0.7 gallons = 30.1 GPA.
- Treat Telar® XP at 2 ounces per acre in a 300-gallon tank.
- 300 gallons divided by 30.1 GPA = 9.96 loads times
2 ounces Telar® XP rate = 19.9 ounces of Telar® XP to go into the tank which will then treat 9.96 acres.

BACKPACK SPRAYER

1. If a small backpack sprayer is used, you will have to divide the number of gallons in the backpack sprayer by the calibrated GPA. Multiply this number times the herbicide rate to get a smaller amount to add to the spray tank.

Example:

- A 3-gallon backpack sprayer at an equivalent spray volume of 30 GPA = 0.1 acre treated with 3 gallons of spray.
- 0.1 acre treated with 3 gallons of spray \times 2.0 ounces of Telar® XP = 0.2 ounces, or 5.7 grams of Telar® XP.

This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank mix combinations.

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