

Cheat sheet for Herbicide Mixtures

Handgunning & Back pack spraying:

Figure roughly 50 gal/acre application rate unless otherwise calibrated

Boom Spraying

Mix to calibrated rate of gallons per acre output of spray unit being used.

For MOST handgun & backpack applications, these rates apply :

2 qt/acre = 1.28 oz x # of gallons water = oz of herbicide for mixture

(Eg. For a 3 gallon backpack: 1.28 x 3 = 3.84)

1 qt/acre = .64 oz x # of gallons water = oz of herbicide for mixture

(Eg. For a 3 gallon backpack: .64 x 3 = 1.92 or 2 oz herbicide)

1 pt/acre = .32 oz x # of gallons water = oz of herbicide for mixture

(Eg. For a 3 gallon backpack: .32 x 3 = 0.96 or 1 oz herbicide)

TELAR or ESCORT: 1 oz herbicide/acre rate + **SylTac** (sticker): 1 pt/50 gal water

Telar Examples:

3 gallon backpack: Use 2 Grams of Telar + .96 oz (round to 1 oz) Syl-Tac

10 gallon sprayer: Use 7 Grams of Telar + 3.2 oz (round to 3 oz) Syl-Tac

15 gallon sprayer: Use 10.5 Grams of Telar + 4.8 oz (round to 5 oz) Syl-Tac

20 gallon sprayer: Use 14 Grams Telar + 6.4 oz (round to 6.5 oz) Syl-Tac

25 gallon sprayer: Use .5 oz of Telar + 8 oz Syl-Tac

50 gallon sprayer: Use 1 oz of Telar + 16 oz Syl-Tac

Escort Examples:

3 gallon backpack: Use 1.5 Grams of Escort + .96 oz (round to 1 oz) Syl-Tac

10 gallon sprayer: Use 5 Grams of Escort + 3.2 oz (round to 3 oz) Syl-Tac

15 gallon sprayer: Use 7.5 Grams of Escort + 4.8 oz (round to 5 oz) Syl-Tac

20 gallon sprayer: Use 10 Grams Escort + 6.4 oz (round to 6.5 oz) Syl-Tac

25 gallon sprayer: Use .5 oz of Escort + 8 oz Syl-Tac

50 gallon sprayer: Use 1 oz of Telar + 16 oz Syl-Tac

REDEEM or CURTAIL or GARLON 3a: 2qt/acre rate=1.28 oz/gallon of water

3 gallon backpack: 4 oz

15 gallon sprayer: 19 oz

25 gallon sprayer: 32 oz

50 gallon sprayer: 64 oz

TORDON 22K : 1 qt/acre rate =.64 oz gal of water : 2qt/acre rate=1.25 oz/gal of water

3 gallon backpack: 2 oz Tordon 22K(1qt): 4 oz Tordon 22k (2qt)

15 gallon sprayer: 9.5 oz Tordon 22k(1qt): 19 oz Tordon 22k (2qt)

25 gallon sprayer: 16 oz Tordon 22K(1qt): 1qt Tordon 22k (2qt)

50 gallon sprayer: 32 oz Tordon 22k(1qt): 2qt Tordon 22k (2qt)

WEEDAR 64 : 1 qt/acre rate =.64oz/gal of water; 2 qts/acre rate =1.28oz/gal of water

3 gallon backpack: 2 oz Weedar 64 (1qt); 4 oz Weedar 64 (2qt)

15 gallon sprayer: 9.5 oz Weedar 64(1qt): 19 oz Weedar 64 (2qt)

25 gallon sprayer: 16 oz Weedar 64 (1qt); 32 oz Weedar 64(2qt)
50 gallon sprayer: 32 oz Weedar 64(1qtl); 64 oz Weedar 64(2qt)

CLARITY or BANVEL: 1 pt/acre rate =.32oz/gal water; 1qt/acre rate=.64oz/gal

3 gallon backpack: 1 oz Clarity (normal); 2 oz Clarity (heavy)
15 gallon sprayer: 5 oz Clarity (normal); 10 oz Clarity (heavy)
25 gallon sprayer: 8 oz Clarity (normal); 16 oz Clarity (heavy)
50 gallon sprayer: 16 oz Clarity (normal); 32 oz Clarity (heavy)

WEEDAR 64 + TORDON 22K : 1 qt Weedar 64 + 1 pt Tordon 22K/ac

3 gallon backpack: 2 oz Weedar 64 + 1 oz Tordon 22K
15 gallon sprayer: 10 oz Weedar 64 + 5 oz Tordon 22k
25 gallon sprayer: 16 oz Weedar 64 + 8 oz Tordon 22K
50 gallon sprayer: 32oz Weedar 64 + 16 oz Tordon 22k

WEEDAR 64 + CLARITY or BANVEL : 1 qt Weedar 64 + 1 pt Clarity /ac

3 gallon backpack: 2 oz Weedar 64 + 1 oz Clarity
15 gallon sprayer: 9.5 oz Weedar 64 + 5oz Clarity
25 gallon sprayer: 16 oz Weedar 64 + 8 oz Clarity
50 gallon sprayer: 32 oz Weedar 64 + 16 oz Clarity

MILESTONE

3 gallon backpack: .36oz Milestone (=10.25grams)
15 gallon sprayer: 1.8 oz Milestone
25 gallon sprayer: 3oz Milestone
50 gallon prayer: 6 oz Milestone

Adjuvant/Surfactant Mixing

Generally surfactants are mixed at 1 pint/50 gallons water unless otherwise stated.

Examples:

R-11 at 1 pint/50 gallons
Syltac at 1 pint/50 gallons
MSO at 1 pint/50 gallons
Hasten at 1 pint/50 gallons
Non-Ionic 90 at 1 pint/50 gallons

3 gallon backpack: .96 oz (round to 1 oz)
10 gallon sprayer: 3.2 oz (round to 3 oz)
15 gallon sprayer: 4.8 oz (round to 5 oz)
20 gallon sprayer: 6.4 oz (round to 6.5 oz)
25 gallon sprayer: 8 oz
50 gallon sprayer: 16 oz (1pint)