ULV - Applications - based on Seth Watkins@UCD

How to hit 5 GPA, (without running)

Nozzles: 11001 — 01 size to put out less water

110° - for a wider spray pattern

Boom: 5 nozzles x 30" spacing / 12"/ft = 12.5' swath

Plot: 2 passes @ 12.5'/swath = 25' x 50' plot length

= 1,250 sq. ft.

Output: 770 mls/30 sec = 25.7 mls/sec

Volume/plot: 5 GPA x 3785 mls/gal x $\frac{1250}{43560}$ = 543 mls/plot

Time/plot: 543 mls / 25.7 mls/sec = 21.1 sec/plot

= 10.6 sec/pass

Speed: 50'/10.6 sec = 4.7 ft/sec x $\frac{1 \text{ mile}}{5280'}$ x $\frac{60 \text{ sec}}{\text{min}}$ x $\frac{60 \text{ min}}{\text{hour}}$

= 3.2 mph ≈ a comfortable walking pace


CENTURY