

Evaluation of Roundup ProMax for Non-Selective Vegetation Control

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Objectives: Test the efficacy of a new formulation of Roundup herbicide against other Roundup formulations and contact-type non-selective herbicides.

Location: UCR Turf Facility

Soil: Hanford fine sand loam

Experimental Design: Randomized complete block with 3 replications/species

Plot Size: 18" by 5'

Turfgrass Species/Cultivars: Mature stands of Crossfire 2 tall fescue mowed at 2" and Tifgreen 328 bermudagrass mowed at 5/8"

Application Information: CO₂ Bicycle sprayer
TeeJet 8003EVS Nozzles
Single nozzle
8" boom height
Speed: 1 mph
Output: 2gal/1000ft²
Pressure: 46psi on tank regulator
Calibration of 1060ml/ nozzle minute

Irrigation Regimes: Standard for bermudagrass and tall fescue turf

Data Collection: Visual control (0-100%) at 3,7, 14, 28, 56 DAT; digital images

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North

7	16	6	12	2	14	9	13	8	3	5	1	15	11	10	4

11	9	12	24	10	15	3	1	5	8	6	14	16	13	7

14
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9
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2

11
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9
12
3

West

East

Pathway

16
15
14
13
12
11
10
9
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7
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2
1

16
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2
1

Treatments	Rate	Timing
1. Roundup PROMAX	4.7 qts/A	29 Days Before Field Day
2. Roundup PRO	7.0 qts/A	29 Days Before Field Day
3. Roundup QuickPRO	1.5 oz/gal	29 Days Before Field Day
4. Scythe	10% v/v	29 Days Before Field Day
5. Finale	6 qts/A	29 Days Before Field Day
6. Roundup PROMAX	4.7 qts/A	14 Days Before Field Day
7. Roundup PRO	7.0 qts/A	14 Days Before Field Day
8. Roundup QuickPRO	1.5 oz/gal	14 Days Before Field Day
9. Scythe	10% v/v	14 Days Before Field Day
10. Finale	6 qts/A	14 Days Before Field Day
11. Roundup PROMAX 3	4.7 qts/A	3 Days Before Field Day
12. Roundup PRO	7.0 qts/A	3 Days Before Field Day
13. Roundup QuickPRO	1.5 oz/gal	3 Days Before Field Day
14. Scythe	10% v/v	3 Days Before Field Day
15. Finale	6 qts/A	3 Days Before Field Day
16. Untreated Control		