

## **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:** CO<sub>2</sub> Bicycle sprayer  
TeeJet 8003EVS Nozzles  
Single nozzle  
8" boom height  
Speed: 1 mph  
Output: 2gal/1000ft<sup>2</sup>  
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	2	4	10	15	3	1	5	8	6	14	16	13	7

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

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

**West**

**Pathway**

**East**

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

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

<b>Treatments</b>	<b>Rate</b>	<b>Timing</b>
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		