

## Stop 5

### Behind the Label : How Do Consumer RTUs Measure Up

R. N. Calhoun, S. A. Dysinger and A. D. Hathaway  
Crop and Soil Sciences

You've been at work all day and need to stop at Meijer on the way home and pick up a replacement burner for the barbeque. It takes a while to find a spot large enough to accommodate your truck and then you walk a half-mile into the store. After selecting the universal burner unit that fits your grill you're walking to the checkout when catch a whiff of that too-familiar scent...Mmmmm...2,4-D.....definitely amine. After further investigation, you find yourself in the middle of the pest control aisle. This collection of pest control products could make your head spin. Curiosity takes over, "What the heck do they sell to homeowners anyway." Twenty minutes later, after reading nearly every label, you begin to wonder how well these products really work...

- ☐ Will 0.96 % glyphosate in 99.04 % water kill anything?
- ☐ Why does brush killer cost more than weed killer?
- ☐ How much would that cost per acre?
- ☐ I've never heard of that active ingredient.
- ☐ How would this compare to the commercial version?

Well, I broke out the credit card and raided Home Depot and Frank's while I was at it. The following treatment lists were generated to include a cross section of products offered on the consumer market as compared to some standard commercial products and combinations.

#### Non-Selective Burndown Herbicides

|                        | Active                 | Fl. Oz/M | Cost/gallon | Cost/M   |
|------------------------|------------------------|----------|-------------|----------|
| Untreated              |                        |          |             |          |
| Liquid Edger           | diquat                 | 100      | \$ 4.85     | \$ 3.78  |
| Grass & Weed Killer    | diquat + fluazifop     | 17       | \$ 51.00    | \$ 6.90  |
| Roundup (RTU)          | glyphosate             | 92       | \$ 58.00    | \$ 14.46 |
| Total Vegetation       | prometon               | 160      | \$ 30.00    | \$ 37.40 |
| Triox                  | glyphosate + imazapyr  | 427      | \$ 32.00    | \$106.40 |
| Grass B Gon            | fluazifop              | 92       | \$ 26.45    | \$ 19.08 |
| Finale                 | glufosinate            | 4        | \$ 99.87    | \$ 3.37  |
| Roundup Pro            | glyphosate             | 3        | \$ 58.00    | \$ 1.33  |
| Reward                 | diquat                 | 1.5      | \$ 125.00   | \$ 1.41  |
| Scythe                 | pelargonic acid        | 10       | \$ 31.10    | \$ 1.23  |
| Touchdown              | glyphosate             | 3        | \$ 58.00    | \$ 1.33  |
| Roundup Pro + Reward   | glyphosate + diquat    | 3 + 1.5  | \$ 183.00   | \$ 2.74  |
| Roundup Pro + Fusilade | glyphosate + fluazifop | 3 + 1    | \$ 266.00   | \$ 2.63  |

### Postemergence Broadleaf Herbicides

|                        | Active                                      | Fl. Oz/M | Cost/gallon              | Cost/M   |
|------------------------|---|----------|--------------------------|----------|
| Untreated              |   |          |                          |          |
| Weed B Gon 2           | 2,4-D + MCPP + dicamba                      | 2.5      | \$ 36.96                 | \$ 0.78  |
| Weed Stop              | 2,4-D + MCPP + dicamba                      | 2        | \$ 19.10                 | \$ 0.30  |
| Lawn Weed Killer       | 2,4-D + MCPP + dicamba                      | 4        | \$ 23.96                 | \$ 0.75  |
| Green Sweep (Hose End) | 2,4-D + MCPP + 2,4-DP                       | 6.4      | \$ 39.96                 | \$ 2.00  |
| Weed B Gon (RTU)       | 2,4-D + MCPP                                | 183      | \$ 26.51                 | \$ 37.94 |
| Weed B Gon - Purple    | triclopyr                                   | 5        | \$ 55.76                 | \$ 2.18  |
| Formula 40             | 2,4-D                                       | 0.7      | \$ 25.00                 | \$ 0.14  |
| Trimec Classic         | 2,4-D + MCPP + dicamba                      | 1.5      | \$ 27.00                 | \$ 0.31  |
| Confront               | triclopyr + clopyralid                      | 0.7      | \$110.00                 | \$ 0.63  |
| Millenium Ultra        | 2,4-D + clopyralid + dicamba                | 1.1      | \$41.00                  | \$ 0.35  |
| Momentum               | 2,4-D + triclopyr + clopyralid              | 1.1      | \$ 90.00                 | \$ 0.54  |
| Trimec Classic + Drive | 2,4-D + MCPP + dicamba + quinclorac         | 1.5      | \$ 29.90 + \$ 85.00 / lb | \$ 2.31  |
| Momentum + Drive       | 2,4-D + triclopyr + clopyralid + quinclorac | 1.1      | \$ 90.00 + \$ 85.00 / lb | \$ 2.54  |