



## Powerful Partner with Systemic Herbicides

### Speed:

Reward® Landscape and Aquatic herbicide acts very quickly on green, photosynthesizing plant tissue. Reward combines with the photosynthetic process within treated plants to produce highly reactive free radicals. These free radicals in turn form superoxides that destroy cell membranes and cell walls, leading to overall desiccation of treated plants. Visual results may occur in a few hours under optimal conditions, or may take a couple of days under cloudy, overcast conditions.

### Temperature:

While systemic herbicides are slowed by cold weather, Reward remains fast. Reward is effective against winter annuals such as *Poa annua*, corn speedwell, chickweed, and others. Even during cold winter months, visible burndown is apparent in a matter of days, not weeks.

### Water:

Reward is rainfast in as little as 30 minutes, due to its speed of uptake into the plant. With Reward, unexpected showers will not waste your time and money. Reward also offers advantages in reduced water volumes. Most contact herbicides recommend water volumes of at least 100 gallons of water per acre. Reward may be applied in as little as 15 gal/Acre, but performs best when applied between 20 and 40 gallons per acre for broadcast applications. It should be noted, however, that it is recommended that Reward be applied in greater than 60 gallons of water per acre to give coverage of very dense weed populations or to provide enhanced turf desiccation.

### Combination Partners: Systemic Herbicides

Reward and systemic herbicides such as Fusilade® II or



Touchdown® PRO may complement each other when applied in combination at the correct rates. Reward is fast, while the systemic herbicide will move to the roots and/or other growing points. Some regrowth may occur with Reward applied alone under certain conditions.

When Reward and a systemic herbicide are applied in combination at the correct ratio and spray volume, Reward will kill plant parts above ground, while allowing the systemic herbicide to be translocated to, and kill, the roots and other growing points in the plant. You get the best activity without the drawbacks of each individual component: fast burndown and in most cases they won't grow back. Apply Reward at the lowest labeled rate of 1.0 pint per acre and the normal rate of the systemic herbicide.

Syngenta Professional Products has conducted field research with Reward plus systemic herbicide combinations to identify the ideal ratio and spray volume. The following data illustrates that Reward's

contact activity, combined with either Fusilade II or Touchdown PRO, will provide faster burndown than glyphosate applied alone and less regrowth than Reward applied separately.

Reward mixtures for control of grass and broadleaf weeds. <i>Auburn University, 1997*.</i>			% Control							
			Smooth Crabgrass		Pensacola Bahiagrass		Buckhorn Plantain		Southern Crabgrass	
Treatment	Form.	Rate/acre	Burn 7 DAI	Systemic 23 DAI	Burn 7 DAI	Systemic 23 DAI	Burn 6 DAI	Systemic 22 DAI	Burn 6 DAI	Systemic 22 DAI
Reward + Activate Plus	2SC L	1.0 pt + 0.25% v/v	52 f	50.0 f	25 d	36.3 g	78 a	57 d	79 ab	81 cd
glyphosate Activate Plus	3SC L	1.0 pt + 0.25% v/v	66 de	89 a	11 e	76 bc	8 g	79 a	28 h	93 a
Reward + glyphosate Activate Plus	2SC 3SC L	1.0 pt + 1.0 pt + 0.25% v/v	76 abc	82 b	47 bc	54 e	79 a	48 e	70 cde	77 de
Reward + Fusilade II Activate Plus	2SC 2EC L	1.0 pt + 12 fl oz + 0.25% v/v	76 ab	80 bc	64 a	73 c	73 ab	53 de	74 abc	75 e
Scythe®		24 pts	21 h	65 fg	14 e	36 g	32 f	22 h	34 h	57 g
Scythe + glyphosate		24 pts + 1.0 pt	61 e	68 efg	42 c	52 e	66 bc	63 c	72 bcd	73 e

All treatments were applied in 50 gal/Acre except for Scythe and Scythe + glyphosate treatments, applied in 100 gal/Acre.

\*Data presented was generated from two separate studies initiated on 9/2/97 and 9/3/97. In order to deliver 100 gal/Acre for Scythe and Scythe + glyphosate treatments, half-rates were utilized and plots were over-sprayed twice immediately in sequence. Means followed by the same letter do not significantly differ according to LSD at P=0.05.

### Partners with Systemics

- Acts very quickly
- Fast burndown complements systemic activity
- Not slowed by cold weather
- Unique mode of action
- Rainfast in as little as 30 minutes

**Call 1-800-395-8873 to contact your local Syngenta Professional Products sales representative and learn more about Reward.**



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