Enhance Control *in your* Burndown/Residual Program

Early season weed control is a vital first step in maximizing yield potential. Yield loss due to early weed competition is well documented and can range anywhere between 5% and 50%. To reduce competition and give your crop the early advantage, an optimized burndown/residual program is necessary. There are many options from which to choose when selecting burndown and/or residual products. Along with the many products, there are other factors affecting the efficacy of your program. Weed pressures, resistance issues, tillage practices, timing, application techniques, and environmental factors such as temperature and moisture can all affect program performance. To enhance herbicidal activity and improve the application characteristics of your burndown program, the addition of an adjuvant of the proper type and at the correct rate is critical to the success of your program.

Burndown/Residual Program:

- Early season weed control helps to maximize yield.
- Reduces competition and gives your crop the early advantage.
- Many factors affect performance.

Burndown Herbicides:

Systemic Herbicides must:

* Contact the weed
* Be absorbed by the weed
* Translocate (move) to the site of herbicide action in the weed
* Accumulate sufficient levels of herbicide to kill the weed

Contact Herbicides must:

* Contact the weed
* Get good coverage on the weed
* Disrupt the cell structure at point of contact to kill the weed

Residual Herbicides:

Systemic Approach:

* Residual must be absorbed and translocated to the site of action
* Residual is absorbed either through roots or shoots
* Blanket cover in soil profile is key to absorption

Contact Approach:

* Must contact the soil
* Be evenly dispersed to cover the soil—"blanket the soil"
* Adsorb on or cling to soil particles to extend weed control
* Provide "Blanket of Protection"

Use Spectrum To Achieve Optimum Performance from Burndown/Residual Program:

Burndown Benefits:

* Uniform droplet size to ensure deposition and coverage
* Better penetration of weed
* Faster herbicide action on weeds (even in cooler weather)
* Better control of hard to kill weeds (i.e. ryegrass, morningglory, lambsquarter, marestail, etc)

Residual Benefits:

* Coats soil evenly "blanket of protection"
* Moves into soil profile to give deeper protected zone
* Holds herbicide in soil profile longer

Contact your local Coastal sales representative to learn more on enhancing your burndown/residual program.

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