



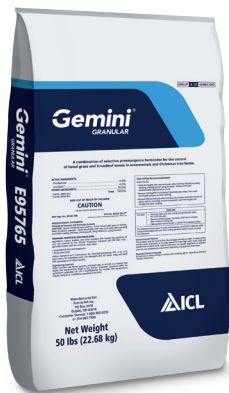
**Gemini**<sup>®</sup>  
GRANULAR  
with R-50 Optimizer<sup>™</sup>

A selective grass and broadleaf weed pre-emergent herbicide  
**FOR NURSERY AND LANDSCAPE APPLICATIONS**



Where needs take us

**ICL** Specialty  
Fertilizers



# Gemini<sup>®</sup>

## GRANULAR

with R-50 Optimizer<sup>™</sup>

## Optimized Weed Control

### Achieve Effective Weed Control with Less Herbicide

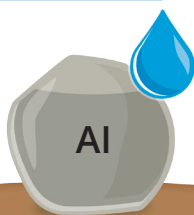
Gemini<sup>®</sup> Granular is a pre-emergent herbicide with R-50 Optimizer<sup>™</sup>, a patent-pending technology to maximize performance. This product features *Proflam* and *Isoxaben*, the same actives found in Barricade<sup>®</sup> and Gallery<sup>®</sup>.<sup>\*</sup> This combination is proven to control more than 120 grassy and broadleaf weeds.

R-50 Optimizer<sup>™</sup> makes your herbicide program more efficient and effective by helping to deliver the same control as traditional pre-emergent products with less herbicide. This gives you more flexibility and options in how you choose to control weeds.

### Controlling More Using Less

R-50 Optimizer<sup>™</sup> gives Gemini<sup>®</sup> Granular the power to effectively control weeds much more efficiently. **Here's how.**

#### Traditional Granular Herbicide Mode of Release



1.

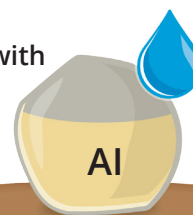
When traditional herbicides are watered, only a portion of the active ingredient comes off of the carrier.



2.

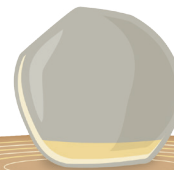
The result is a limited barrier of protection.

#### Gemini<sup>®</sup> Granular with R-50 Optimizer<sup>™</sup> Mode of Release



1.

Once applied and watered, R-50 Optimizer<sup>™</sup> moves more of the active ingredient off of the carrier.



2.

The R-50 Optimizer<sup>™</sup> also aids in spreading the active ingredients out further to create a much wider barrier of protection.

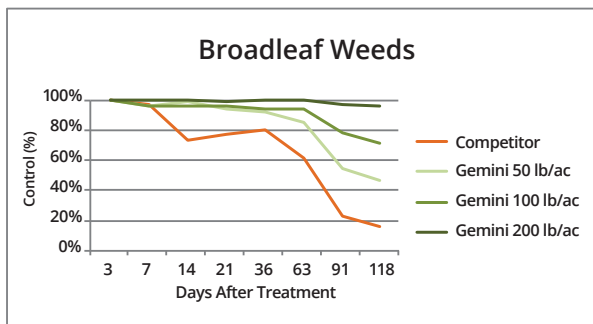
With more active ingredient coming off of the carrier and then spreading out further compared to traditional pre-emergent herbicides, Gemini<sup>®</sup> Granular with R-50 Optimizer<sup>™</sup> can deliver effective control with less herbicide applied.

## Flexibility and Control

Gemini® Granular with R-50 Optimizer™ gives you the option to use it up to three times in one year before reaching maximum limits. And because you can put down more applications per growing season, you can extend the length of control.

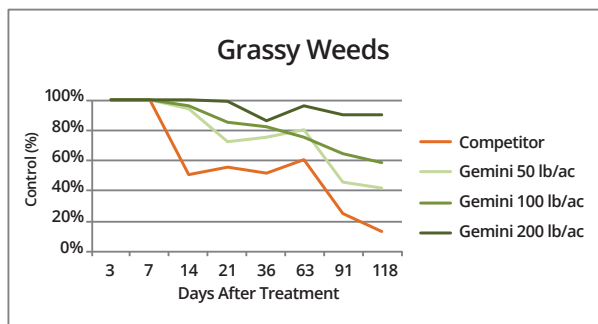
## Gemini® Granular Rate Chart

	Low	Medium	High	Do Not Exceed The Maximum Annual Rate of
Pounds per acre	100	150	200	375
Bags per acre	2	3	4	7.5
Pounds per 1,000 sq ft	2.3	3.4	4.6	8.6
Grams per sq ft	1.0	1.6	2.1	3.9



## Lasting Control

Gemini® Granular with R-50 Optimizer™ controls more than 120 grassy and broadleaf weeds for up to four months.



## Low Risk of Phytotoxicity

Gemini® Granular with R-50 Optimizer™ has a low risk of phytotoxicity and more than 450 tolerant ornamental species.

**Gemini®**  
GRANULAR

EPA NO.  
58185-180

**ACTIVE INGREDIENTS**  
Prodiamine (Group 3)  
Isoxaben (Group 21)

## USE SITES

Container Ornamentals  
Field Ornamentals  
Landscape Ornamentals  
Christmas tree farms

## MODE OF ACTION

Prodiamine: Inhibits microtubule assembly during cell division

Isoxaben: Disrupts cell wall development

## SIGNAL WORD

Caution

## RE-ENTRY LEVEL

12 Hours

## STOCK NO.

E95765

## PACKAGING

50 lb (22.68 kg)  
Manufactured for  
Everris NA Inc.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING THIS PRODUCT.



## CONTROL TIMES TWO

A convenient liquid is also available. It's specially formulated for nursery use and features a selective combination of these two active ingredients: *Prodiamine* and *Isoxaben*.

### Advantages:

- A consistent and prolonged herbicide barrier
- Control or suppression of more than 120 grassy and broadleaf weeds
- Competitive per acre cost



Gemini® Granular with R-50 Optimizer™ is a registered trademark of Everris NA Inc.