



# Biological Regeneration Protocol

The following protocol is designed to regenerate and balance the biological processes in the soil. This protocol will build a positive microbial environment and will limit the development of harmful pathogens that can negatively impact your turf. For best results, use in combination with other 3 Tier products for a complete soil nutrient and biological regeneration program.

Week	Product	Rate
<b>1, 5, 9</b>	Huma-Balance XL W/Bio-Cat Bio-Cat Booster Option: <b>SA-1000</b>	3.0 oz. / 1000 sq. ft. 0.75 oz. / 1000 sq. ft. <b>0.75 oz. / 1000 sq. ft.</b>
<b>3, 7, 11</b>	Cal 86 Plus Bio-Cat Booster Option: <b>SA-1000</b>	3.0 oz. / 1000 sq. ft. 0.75 oz. / 1000 sq. ft. <b>0.75 oz. / 1000 sq. ft.</b>

Option: Add **SA-1000** for high sodium and/or bicarbonate soils or irrigation water

## Application Tips

- Do not apply with fungicides. Fungicides should be applied on an alternate week program.
- For active fairy ring, please use 3 Tier's Guaranteed Fairy Ring Protocol for immediate repair and correction.
- Apply in a minimum of 30 gallons of water per acre. More water per acre will only improve product performance. Application can be watered in with 3 to 5 minutes of irrigation.
- Can be tank mixed with any 3 Tier Products.
- Do not tank mix **Cal 86 Plus** with high phosphorus fertilizers. **Cal 86 Plus** is approved for tank mixing with all 3 Tier Products.

After Week 12, simply continue every other week application rotations as stated above.





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The following is the required 2.5 gallon jugs of each product for the 3-month protocol.

<b>1 Acre</b>	Huma-Balance XL w/Bio-Cat	2 Jugs
	Cal 86 Plus	2 Jugs
	Bio-Cat Booster	1 Jug
	Option: SA-1000	1 Jug
	<b>3 Month Cost:</b> .....	<b>\$513</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$623</b>	

<b>1.5 Acre</b>	Huma-Balance XL w/Bio-Cat	2 Jugs
	Cal 86 Plus	2 Jugs
	Bio-Cat Booster	1 Jug
	Option: SA-1000	1 Jug
	<b>3 Month Cost:</b> .....	<b>\$513</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$623</b>	

<b>2 Acre</b>	Huma-Balance XL w/Bio-Cat	3 Jugs
	Cal 86 Plus	3 Jugs
	Bio-Cat Booster	2 Jugs
	Option: SA-1000	2 Jugs
	<b>3 Month Cost:</b> .....	<b>\$824.50</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,044.50</b>	

<b>2.5 Acre</b>	Huma-Balance XL w/Bio-Cat	3 Jugs
	Cal 86 Plus	3 Jugs
	Bio-Cat Booster	2 Jugs
	Option: SA-1000	2 Jugs
	<b>3 Month Cost:</b> .....	<b>\$824.50</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,044.50</b>	

<b>3 Acre</b>	Huma-Balance XL w/Bio-Cat	4 Jugs
	Cal 86 Plus	4 Jugs
	Bio-Cat Booster	2 Jugs
	Option: SA-1000	2 Jugs
	<b>3 Month Cost:</b> .....	<b>\$1,026</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,246</b>	

<b>3.5 Acre</b>	Huma-Balance XL w/Bio-Cat	5 Jugs
	Cal 86 Plus	5 Jugs
	Bio-Cat Booster	3 Jugs
	Option: SA-1000	3 Jugs
	<b>3 Month Cost:</b> .....	<b>\$1,337.50</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,667.50</b>	

<b>4 Acre</b>	Huma-Balance XL w/Bio-Cat	5 Jugs
	Cal 86 Plus	5 Jugs
	Bio-Cat Booster	3 Jugs
	Option: SA-1000	3 Jugs
	<b>3 Month Cost:</b> .....	<b>\$1,337.50</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,667.50</b>	

<b>4.5 Acre</b>	Huma-Balance XL w/Bio-Cat	6 Jugs
	Cal 86 Plus	6 Jugs
	Bio-Cat Booster	3 Jugs
	Option: SA-1000	3 Jugs
	<b>3 Month Cost:</b> .....	<b>\$1,539</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,869</b>	

<b>5 Acre</b>	Huma-Balance XL w/Bio-Cat	6 Jugs
	Cal 86 Plus	6 Jugs
	Bio-Cat Booster	3 Jugs
	Option: SA-1000	3 Jugs
	<b>3 Month Cost:</b> .....	<b>\$1,539</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$1,869</b>	

<b>5.5 Acre</b>	Huma-Balance XL w/Bio-Cat	7 Jugs
	Cal 86 Plus	7 Jugs
	Bio-Cat Booster	4 Jugs
	Option: SA-1000	4 Jugs
	<b>3 Month Cost:</b> .....	<b>\$1,850.50</b>
<b>3 Month Cost with SA-1000:</b> .....	<b>\$2,290.50</b>	

