



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 | Products | Rate |
|-----------------|---|--|
| 1, 5, 9 | Huma-Balance XL W/BCB Huma-MnFe Option: H2O Rx | 3.0 oz. / 1000 sq. ft. 2.25 oz. / 1000 sq. ft. 0.75 oz. / 1000 sq. ft. |
| 3, 7, 11 | Huma-Cal Plus XL W/ BCB Huma-MnFe Option: H2O Rx | 3.0 oz. / 1000 sq. ft. 2.25 oz. / 1000 sq. ft. 0.75 oz. / 1000 sq. ft. |

Option: Add H2O Rx 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 Huma-Cal Plus XL with high phosphorus fertilizers. Huma-Cal Plus XL is approved for tank mixing with all 3 Tier Products.

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

Biological Regeneration Protocol

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

1 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 2 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 2 Jugs |
| Huma-MnFe | 2 Jugs |
| Option: H2O Rx | 1 Jug |

| | |
|------------------------------|-----------------|
| 3 Month Cost | \$513.00 |
| 3 Month Cost w/H2O Rx | \$688.00 |

2 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 3 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 3 Jugs |
| Huma-MnFe | 4 Jugs |
| Option: H2O Rx | 2 Jug |

| | |
|------------------------------|------------------|
| 3 Month Cost | \$825.00 |
| 3 Month Cost w/H2O Rx | \$1175.00 |

3 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 4 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 4 Jugs |
| Huma-MnFe | 6 Jugs |
| Option: H2O Rx | 2 Jug |

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|------------------------------|------------------|
| 3 Month Cost | \$1136.00 |
| 3 Month Cost w/H2O Rx | \$1486.00 |

4 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 5 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 5 Jugs |
| Huma-MnFe | 8 Jugs |
| Option: H2O Rx | 3 Jug |

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|------------------------------|------------------|
| 3 Month Cost | \$1448.00 |
| 3 Month Cost w/H2O Rx | \$1973.00 |

5 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 6 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 6 Jugs |
| Huma-MnFe | 9 Jugs |
| Option: H2O Rx | 3 Jug |

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|------------------------------|------------------|
| 3 Month Cost | \$1704.00 |
| 3 Month Cost w/H2O Rx | \$2229.00 |

1.5 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 2Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 2 Jugs |
| Huma-MnFe | 3 Jugs |
| Option: H2O Rx | 1 Jug |

| | |
|------------------------------|-----------------|
| 3 Month Cost | \$568.00 |
| 3 Month Cost w/H2O Rx | \$743.00 |

2.5 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 3 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 3 Jugs |
| Huma-MnFe | 5 Jugs |
| Option: H2O Rx | 2 Jugs |

| | |
|------------------------------|------------------|
| 3 Month Cost | \$880.00 |
| 3 Month Cost w/H2O Rx | \$1230.00 |

3.5 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 5 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 5 Jugs |
| Huma-MnFe | 7 Jugs |
| Option: H2O Rx | 2 Jugs |

| | |
|------------------------------|------------------|
| 3 Month Cost | \$1393.00 |
| 3 Month Cost w/H2O Rx | \$1743.00 |

4.5 Acre

| | |
|----------------------------|--------|
| Huma-Balance XL w/Bio-Cat | 6 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 6 Jugs |
| Huma-MnFe | 9 Jugs |
| Option: H2O Rx | 3 Jugs |

| | |
|------------------------------|------------------|
| 3 Month Cost | \$1704.00 |
| 3 Month Cost w/H2O Rx | \$2229.00 |

5.5 Acre

| | |
|----------------------------|---------|
| Huma-Balance XL w/Bio-Cat | 7 Jugs |
| Huma-Cal Plus XL w/Bio-Cat | 7 Jugs |
| Huma-MnFe | 10 Jugs |
| Option: H2O Rx | 4 Jugs |

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|------------------------------|------------------|
| 3 Month Cost | \$1961.00 |
| 3 Month Cost w/H2O Rx | \$2661.00 |