



Initial Use Protocol

The Initial Use Protocol is designed for new 3Tier customers to regenerate soils to a healthy state and manage Type III fairy ring challenges. The following low to medium nitrogen program is designed specifically for all bent grass, ultra-dwarf, and Bermuda greens.

Week	Product	Rates
1	Blue XL W/Bio-Cat Booster Huma-MnFe Option: H2O Rx	4.5 oz. / 1000 sq. ft. = 1.5 gal / acre 2.25 oz. / 1000 sq. ft. = 96 oz. / acre 0.75 oz. / 1000 sq. ft. = 32 oz. / acre
2	Root & Groom Or Maintain Huma-Cal Plus XL w/ Bio-Cat Booster Huma-MnFe Option: H2O Rx	1.5 oz. / 1000 sq. ft. = 64 oz. / acre 3.0 oz. / 1000 sq. ft. = 1 gal / acre 2.25 oz. / 1000 sq. ft. = 96 oz. / acre 0.75 oz. / 1000 sq. ft. = 32 oz. / acre
3	Blue XL W/Bio-Cat Booster Huma-MnFe Option: H2O Rx	4.5 oz. / 1000 sq. ft. = 1.5 gal / acre 2.25 oz. / 1000 sq. ft. = 96 oz. / acre 0.75 oz. / 1000 sq. ft. = 32 oz. / acre
4	Root & Groom Or Maintain Huma-Cal Plus XL w/ Bio-Cat Booster Huma-MnFe Option: H2O Rx	1.5 oz. / 1000 sq. ft. = 64 oz. / acre 3.0 oz. / 1000 sq. ft. = 1 gal / acre 2.25 oz. / 1000 sq. ft. = 96 oz. / acre 0.75 oz. / 1000 sq. ft. = 32 oz. / acre
6&10	Blue XL W/Bio-Cat Booster Huma-MnFe Option: H2O Rx	4.5 oz. / 1000 sq. ft. = 1.5 gal / acre 2.25 oz. / 1000 sq. ft. = 96 oz. / acre 0.75 oz. / 1000 sq. ft. = 32 oz. / acre
8&12	Root & Groom Or Maintain Huma-Cal Plus XL w/ Bio-Cat Booster Huma-MnFe Option: H2O Rx	1.5 oz. / 1000 sq. ft. = 64 oz. / acre 3.0 oz. / 1000 sq. ft. = 1 gal / acre 2.25 oz. / 1000 sq. ft. = 96 oz. / acre 0.75 oz. / 1000 sq. ft. = 32 oz. / acre

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.
- **Blue XL/Root & Groom** combination provides **.47 lbs.** Nitrogen per acre, per month
- **Blue XL/Maintain** combination provides **.76 lbs.** Nitrogen per acre, per month
- For advanced fairy ring, drenches may be required and for performance guarantee use our 12-Week Fairy Ring Protocol.
- Apply in a minimum of 30 gallons of water per acre. More water per acre will only improve product performance.
- Supplemental N may be needed every 5 to 6 weeks.

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

1 Acre

Blue XL w/Bio-Cat	3 Jugs
Root & Groom/Maintain	1 Jug
Huma-MnFe	3 Jugs
Huma-Cal Plus XL w/Bio-Cat	2 Jugs
Option: H2O Rx	1 Jug

3 Month Cost \$832.00
3 Month Cost w/H2O Rx \$1007.00

2 Acre

Blue XL w/Bio-Cat	5 Jugs
Root & Groom/Maintain	2 Jugs
Huma-MnFe	5 Jugs
Huma-Cal Plus XL w/Bio-Cat	4 Jugs
Option: H2O Rx	2 Jugs

3 Month Cost \$1511.00
3 Month Cost w/H2O Rx \$1861.00

3 Acre

Blue XL w/Bio-Cat	8 Jugs
Root & Groom/Maintain	3 Jugs
Huma-MnFe	8 Jugs
Huma-Cal Plus XL w/Bio-Cat	5 Jugs
Option: H2O Rx	3 Jugs

3 Month Cost \$2229.00
3 Month Cost w/H2O Rx \$2754.00

4 Acre

Blue XL w/Bio-Cat	10 Jugs
Root & Groom/Maintain	4 Jugs
Huma-MnFe	10 Jugs
Huma-Cal Plus XL w/Bio-Cat	7 Jugs
Option: H2O Rx	4 Jugs

3 Month Cost \$2908.00
3 Month Cost w/H2O Rx \$3608.00

5 Acre

Blue XL w/Bio-Cat	12 Jugs
Root & Groom/Maintain	4 Jugs
Huma-MnFe	12 Jugs
Huma-Cal Plus XL w/Bio-Cat	8 Jugs
Option: H2O Rx	4 Jugs

3 Month Cost \$3328.00
3 Month Cost w/H2O Rx \$4028.00

1.5 Acre

Blue XL w/Bio-Cat	4 Jugs
Root & Groom/Maintain	2 Jugs
Huma-MnFe	4 Jugs
Huma-Cal Plus XL w/Bio-Cat	3 Jugs
Option: H2O Rx	2 Jugs

3 Month Cost \$1244.00
3 Month Cost w/H2O Rx \$1594.00

2.5 Acre

Blue XL w/Bio-Cat	6 Jugs
Root & Groom/Maintain	2 Jugs
Huma-MnFe	6 Jugs
Huma-Cal Plus XL w/Bio-Cat	4 Jugs
Option: H2O Rx	2 Jugs

3 Month Cost \$1664.00
3 Month Cost w/H2O Rx \$2014.00

3.5 Acre

Blue XL w/Bio-Cat	9 Jugs
Root & Groom/Maintain	3 Jugs
Huma-MnFe	9 Jugs
Huma-Cal Plus XL w/Bio-Cat	6 Jugs
Option: H2O Rx	3 Jugs

3 Month Cost \$2496.00
3 Month Cost w/H2O Rx \$3021.00

4.5 Acre

Blue XL w/Bio-Cat	11 Jugs
Root & Groom/Maintain	4 Jugs
Huma-MnFe	11 Jugs
Huma-Cal Plus XL w/Bio-Cat	8 Jugs
Option: H2O Rx	4 Jugs

3 Month Cost \$3175.00
3 Month Cost w/H2O Rx \$3875.00

5.5 Acre

Blue XL w/Bio-Cat	14 Jugs
Root & Groom/Maintain	5 Jugs
Huma-MnFe	14 Jugs
Huma-Cal Plus XL w/Bio-Cat	9 Jugs
Option: H2O Rx	5 Jugs

3 Month Cost \$3893.00
3 Month Cost w/H2O Rx \$4768.00