Ideal for turf grass grow under shade & insufficient sunlight

Green Max

Green Max

- It is a revolutionary product developed base on the latest molecular science and biochemistry.
- It consists of key building blocks of molecular structure, RNA and Multi-saccharides.
- The former enhance the nucleus function and the latter promotes the absorption of the RNA into the plants tissues.
- Green Max was developed specifically to resolve the poor growth of turf grass activity under unfavorable condition.
- Routine use of Green Max enhances high quality turf and rapid recovery from the deterioration.



Biological Effects / Benefits :

- Promotion of turf grass growth.
- Increase content of RNA, protein, total sugar and chlorophyll.
- Therefore maintain optimum level of metabolic and physiological process in turf.
- As a results: a. Increase wear resistant.
  b. Quick recovery from disease damage.
  c. Increase of tolerance to cold injury.
- Healing of turf green from yellowing and poor density due to poor sunlight/shady condition and close mowing.
- Stimulation of budding after dormancy.

Properties :

Components : Modified ribonucleic acids and multi-saccharides
Appearance : Fine green powder.
pH : 6.0 ± 0.5 (1% solution at 15°C)

Note:
Green Max is hygroscopic product, keep away from moisture. Dissolve in warm water (40-50°C) when it becomes solid in storage.

Why you need Green Max to enhance turf growth :

- Ensure optimum level of the content of RNA, protein, total sugar and chlorophyll at all time of the growing season.
- Green Max was developed to resolve turf which growth under unfavorable condition i.e. shaded environment, insufficient sunlight, high traffic and low cut where ordinary fertilization and methods are insufficient.
- Quick recovery from turf yellowing, verticutting, replanting, disease and insect attacked.
- Quick recovery from dormancy by providing sufficient nutrient reserve to the turf.

Packing:

- 5kg in aluminum foil laminated moisture proof bag.

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Application :

- General turf maintenance, 2-6 kg/ha, repeat every 2-4 weeks.
- For severe shaded green, very low cutting height; quick recovery from deterioration, 4-8 kg per 1,000 sq. meters. Repeat when require after 2-4 weeks
- Can be mixed with most foliar fertilizer, chemical except those have strong alkalinity.
- Best to carry out a small plot test when mixing is required.
- For improve budding, apply the Green Max in late fall before winter, 4-8 kg per 1000 sq. meter.



Effect of "Green Max" on the promotion of budding of turf grass.

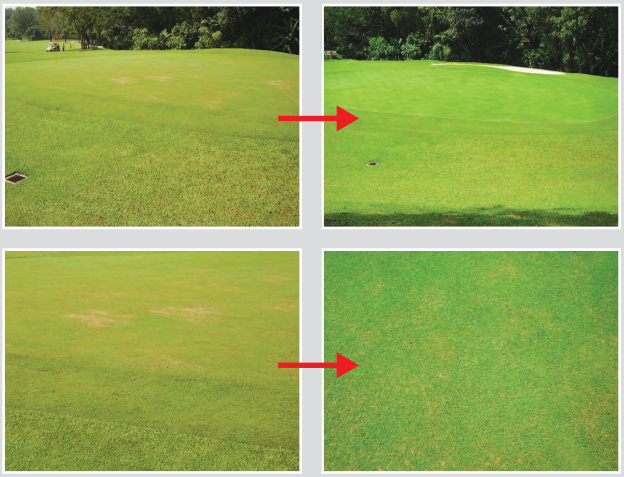


Effect of "Green Max" on the growth of turfgrass.

Treatment :
10g of "Green Max" in 2 liters of water was applied to 1m²

Photographed:
21 days after the treatment in the field (sand base)

Green Max Trial On Seranggon Under Shade: Improved color and density

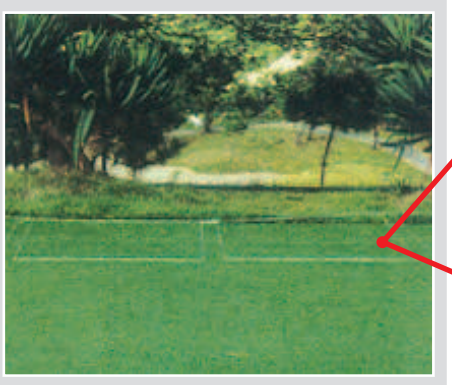


Before treatment | After treatment

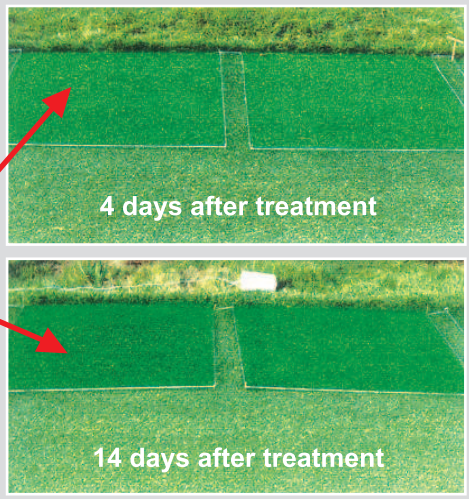
Green Max Trial On Bermuda TifEagle Under Poor Sunlight: Density and color improved



Before treatment | After treatment



Before treatment



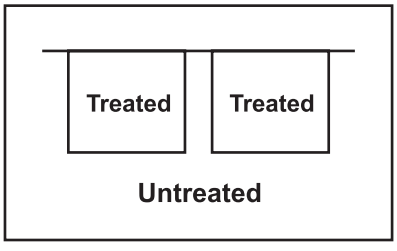


Fig. 1-1. Effect of "Green Max" on turf grass.

Treatment with "Green Max": 20g of "Green Max" in 2 liters of water was applied to 1m²

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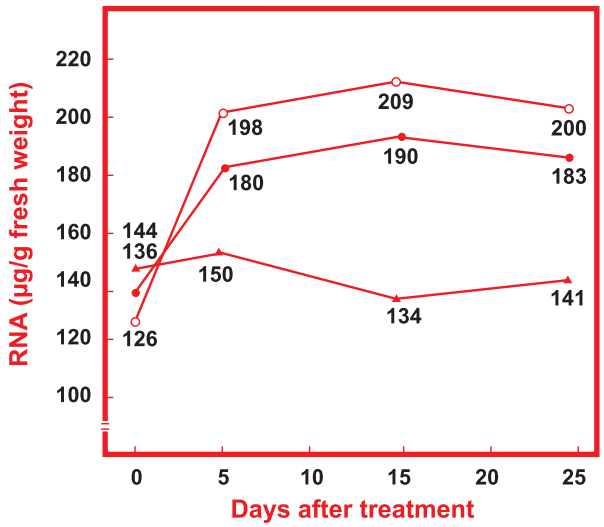


Fig. 1-2. Effect of "Green Max" on RNA content
- ○ Treated with "Green Max" (20g / 2 liters / m²)
- ● Treated with "Green Max" (10g / 1 liter / m²)
- ▲ Control

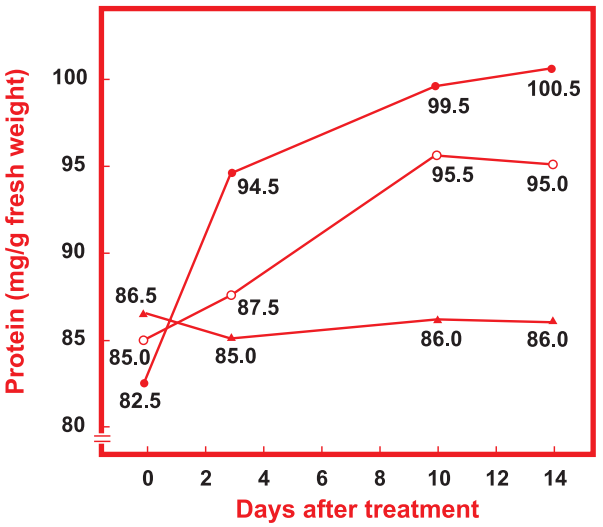


Fig. 1-3. Effect of "Green Max" on protein content of turf grass leaves.
- ○ Treated with "Green Max" (5g / 0.5 liter / m²)
- ● Treated with "Green Max" (10g / 2 liters / m²)
- ▲ Control

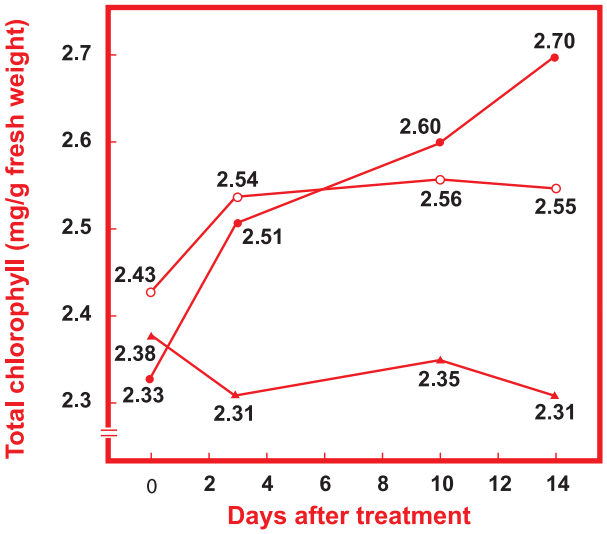


Fig. 1-4. Effect of "Green Max" on total chlorophyll content of turf grass leaves.
- ○ Treated with "Green Max" (5g / 0.5 liter / m²)
- ● Treated with "Green Max" (10g / 2 liters / m²)
- ▲ Control

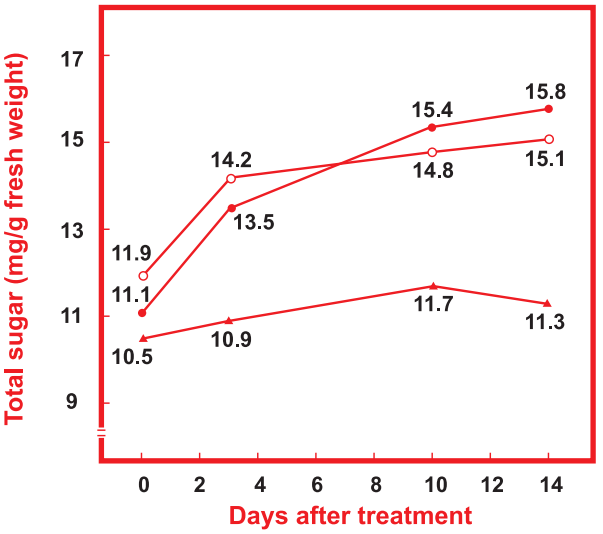


Fig. 1-5. Effect of "Green Max"on total sugar content of turf grass leaves.
- ○ Treated with "Green Max" (5g / 0.5 liter / m²)
- ● Treated with "Green Max" (10g / 2 liters / m²)
- ▲ Control

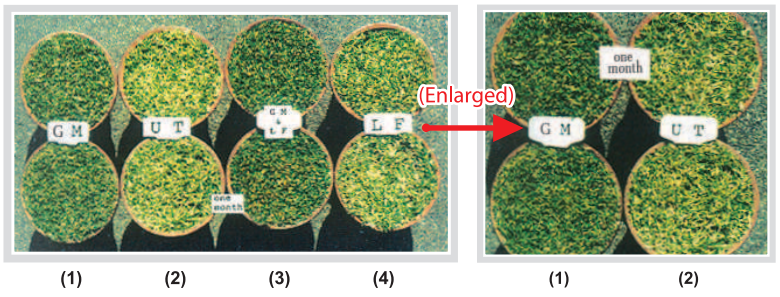


Fig. 2-1. Effect of "Green Max" and liquid fertilizer on turf grass. Photographed: 30 days after treatment.

(1) Treated with "Green Max": 20g of "Green Max" in 2 liters of water was applied to 1m²

(2) Untreated

(3) Treated with "Green Max" and liquid fertilizer: 20g of "Green Max" and 15g of liquid fertilizer containing 10-5-8 of N-P-K ratio in 2 liters of water was applied to 1m²

(4) Treated with liquid fertilizer: 20g of liquid fertilizer containing 10-5-8 of N-P-K ratio in 2 liters of water was applied to 1m²

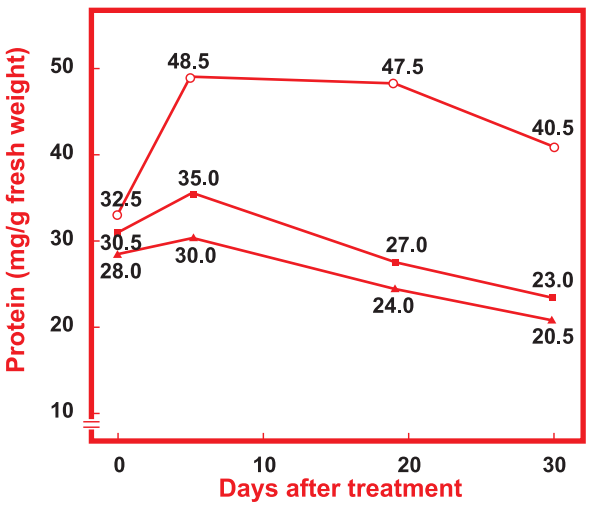


Fig. 2-2. Effect of "Green Max" and liquid fertilizer on protein content of turf grass leaves.
- ○ Treated with "Green Max" (20g / 2 liters / m²)
- ■ Liquid fertilizer: 10-5-8 of N-P-K ratio (20g / 2 liters / m²)
- ▲ Untreated

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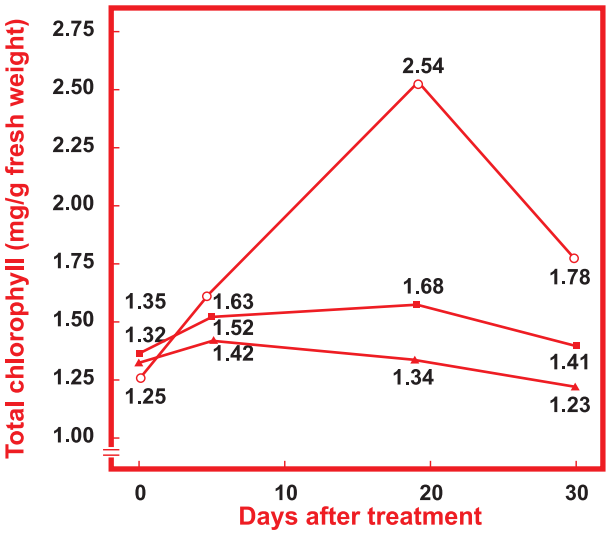


Fig. 2-3. Effect of "Green Max" and liquid fertilizer on total chlorophyll content of turf grass leaves.

- ○ Treated with "Green Max" (20g / 2 liters / m²)
- ■ Liquid fertilizer: 10-5-8 og N-P-K ratio (20g / 2 liters / m²)
- ▲ Untreated

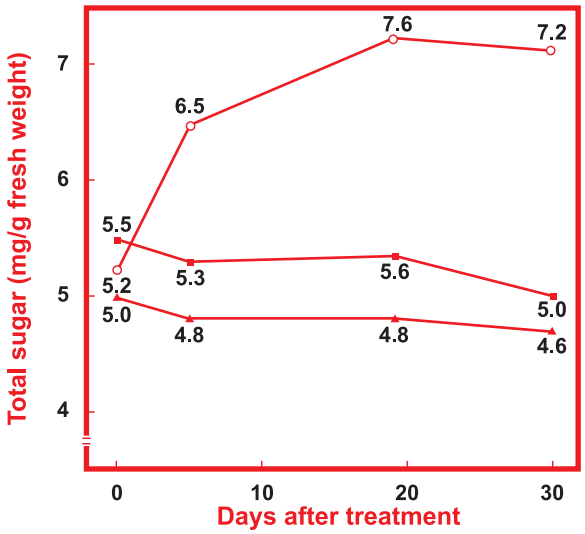


Fig. 2-4. Effect of "Green Max" and liquid fertilizer on total sugar content of turf grass leaves.

- ○ Treated with "Green Max" (20g / 2 liters / m²)
- ■ Liquid fertilizer: 10-5-8 of N-P-K ratio (20g / 2 liters / m²)
- ▲ Untreated

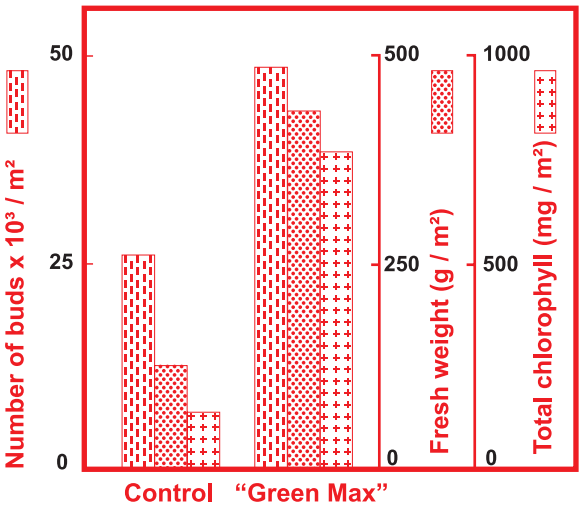


Fig. 3-1. Effect of "Green Max" treatment before dormancy on the activation of turf grass in next spring.

Treament with "Green Max"

Treat 2m² of turf in the field with 40g of "Greeen Max" in 4 liters of water and applied three times starting on Oct. 17 at 14-day interval.

On Apr. 11, total fresh weight of green grasses and number of buds sprouting young leaves were measured.

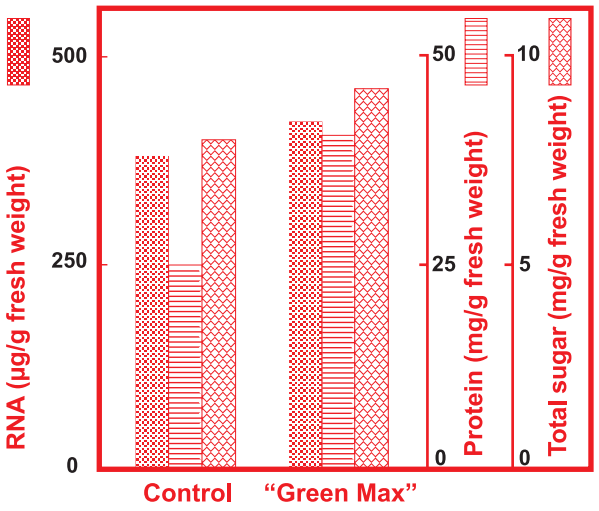


Fig. 3-2. Effect of "Green Max" treatment before dormancy on the activation of turf grass in next spring.

Treatment with "Green Max":

Treat 2m² of turf in the field with 40g of "Green Max" in 4 liters of water and applied three times starting on Oct. 17 at 14-day interval.

On Apr. 11, green leaves were sampled for the analysis of contents.

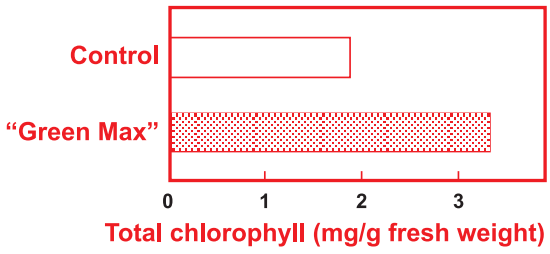
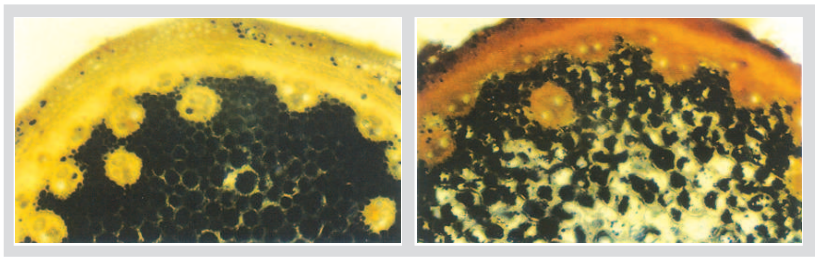


Fig. 4. Effect of "Green Max" on healing of turf grass from yellowing.

Treatment with "Green Max" :

20g of "Green Max" in 2 liters of water was applied to 1m² of turf grass.

Fig. 5. Effect on nutrient reserves of turf grass



Treated
Nutrients reserve (black spot)
(Rated 5: High Nutrient Reserve)

Control
Nutrients reserve (black spot)
(Rated 1: Low Nutrient Reserve)

Note: More reserve mean better stress resistant.

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