



## SPRING START

### OVERCOME SLUGGISH GROWTH

*The players are anxious and the grass isn't going. Start early and start strong with Floratine's Turf Action Plan to overcome sluggish growth and weak color.*

#### ■ DENSITY

**Per "4" Max** enhances metabolism, vegetative reproduction, and chlorophyll production through patented biostimulant.

#### ■ GROWTH

**Power 23-0-0** and **Power 24-0-0** offer moderate, consistent growth with proprietary Power Play technology for enhanced nutrient utility.

#### ■ COLOR AND ROOTING

**Renaissance** delivers color, rooting, and cold tolerance from micronutrients, antioxidants, and phytochemicals.

#### ■ ENERGY

**PK Fight** for stress tolerance, energy, and winter recovery from potassium phosphite with organic acid technology.

#### ■ STRENGTH

**ProteSyn** with all the essential amino acids and carbohydrates for strong molecular construction.

**powerplay**   
*organic acid technology*

*Power 23-0-0, Power 24-0-0, and PK Fight contain Floratine's proprietary organic acid translocation technology to enhance uptake and utilization of nutrients.*



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## 1. Photosynthesis – $\text{CO}_2 + \text{H}_2\text{O} \xrightarrow{\text{Sun}} \text{Carbs} + \text{O}_2$

The primary food producing mechanism for the plant is still sluggish. The air temperature is still low as is the length and angle of sunlight. The raw materials ( $\text{CO}_2$  and water) are abundant but the energy source and chlorophyll are lacking.

## 2. Respiration – $\text{Carbs} + \text{O}_2 \xrightarrow{\text{Chem Energy}} \text{New Growth} + \text{CO}_2$

The growth generating mechanism for the plant hasn't started. The soil temperature is too low for chemical and microbiological activities to take place. Further, the raw material (carbs) isn't available because there is no activity in the topical growth.

## SOLUTIONS

1. Supplement the lack of carbs with **ProteSyn**. The mixture of simple and complex carbohydrates in **ProteSyn** will compensate for the lack of sunlight and poor carb production. The key amino acids in **ProteSyn** will aid in the building of key proteins even when the Krebs Cycle is running low.
2. Chlorophyll production needs several key micronutrients – among them iron, zinc, copper, and manganese. **Per "4" Max** and **Renaissance** contain a balanced blend of these key micronutrients.
3. Additional bolstering of the chlorophyll process is achieved through the use of nitrogen. **Power 23-0-0** and **Power 24-0-0** contain an optimum blend of nitrogen compounds along with molybdenum – the key micronutrient for converting nitrogen. Power Play technology enhances the movement of these nutrients throughout the plant.
4. An energy source is also needed to drive the reactions in the roots. **PK Fight** has proven itself as a tool for enhancing the Krebs Cycle and generating ATP – the energy molecule.



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