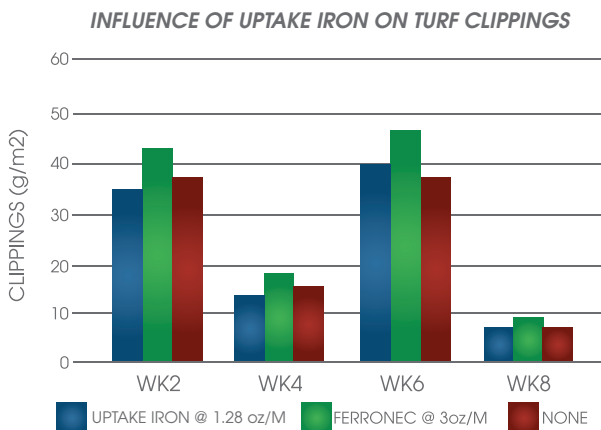


UPTAKE™ IRON AND PGRs



IRON AVAILABILITY

Iron is present in large amounts of primary minerals in the soil. However, not all of this iron in the soil is available to turf. Most iron deficiencies are due to reduced availability of iron at a high pH.

ROLE AND MOVEMENT OF IRON

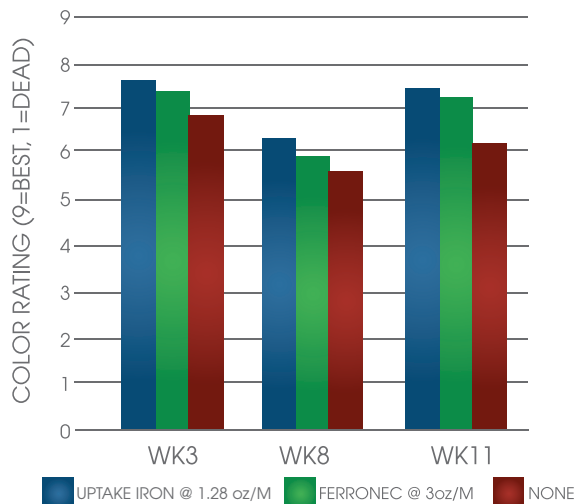
Iron plays a role in turf color. Most iron deficiencies are due to reduced availability of iron in an unfavorable pH range, not to low iron levels. Iron is not very mobile, which is why foliar fertilization is preferable to soil applications. Also, excessive nitrogen can accentuate iron deficiency due to increased growth of plant tissue.

THE RULES HAVE CHANGED

A balanced ratio of nitrogen and iron provides good color without lush growth. Uptake™ Iron has a 1:1 ratio of nitrogen to iron. The iron is chelated, which makes it available to the plant. Uptake Iron uses nitrogen derived from urea and is readily available to the turf.

For use with plant growth regulators (PGR's), Uptake Iron reduces bronzing without stimulating turf growth. University research shows that Uptake Iron provides better color than a leading competitor at substantially lower use rates. With water, time, money and labor being scarce, a low use rate helps resources stretch to their full capacity.

INFLUENCE OF UPTAKE IRON ON TURF COLOR



Uptake Iron
No PGR's applied



Untreated control
No PGR's applied

UPTAKE IRON FACTS:

- Improved plant color and quality
- No lush growth and better playing conditions
- Chelated iron
- Built in adjuvant package for enhanced performance
- Low use rate

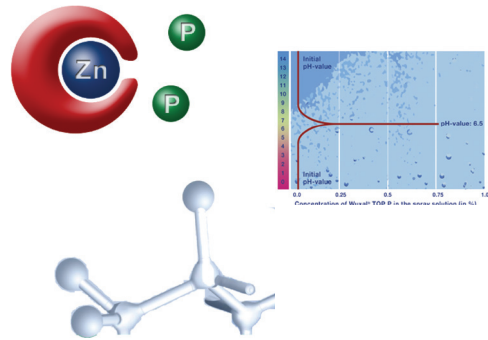
THE ADJUVANT ADVANTAGE

IN THE MIX TANK:

Strong Chelating Agents – Ensures the water solubility required for plant uptake and utilization.

Buffering Agents – Improves stability of the spray solution and provides optimum nutrient availability when tank mixing with many common crop protection products.

Miscibility – Application and handling efficiencies result from tank mixing WUXAL formulations with many common crop protection products.



BETWEEN THE SPRAY TIP AND THE LEAF:

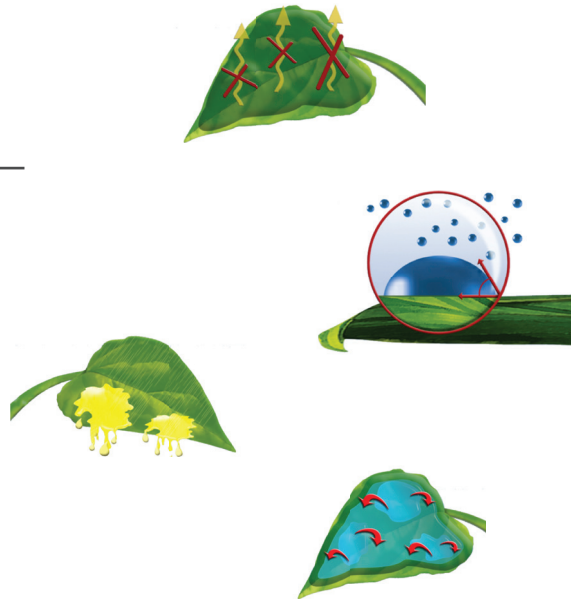
Anti-Evaporants – Achieves greater efficiency of the applied nutrients by preventing the evaporation of micro-droplets before the target is reached.

ON THE LEAF:

Surfactants – Evenly distributes the spray solution on leaf surface to maximize efficacy and crop safety of foliar applied nutrients.

Stickers – Greatly reduces nutrient wash-off loss due to irrigation and rainfall by holding the solution on the targeted leaf surface.

Humectants – Re-activates dried residual deposits, allowing for plant uptake over a prolonged time period.



FEATURES AND BENEFITS:

100% WATER SOLUBLE NUTRIENTS: HIGH NUTRIENT LOAD

- Maximum plant uptake
- Quicker response
- Increased longevity
- More nutrients per gallon
- More acres per gallon
- Low use rates