



# HG 5-2-3 with Iron

## Turf & Ornamental

Healthy Grow® 5-2-3 is a formula providing ultra-economical balanced nutrition for quick spring green-up. Formulated to provide the optimum level of nutrients for sustaining turf grasses through the spring months.

The Iron Sulfate provides beautiful dark green color without the flush growth from conventional chemical fertilizers.

Healthy Grow's base, Aerobically Composted Chicken Manure (ACCM), is an all-natural, slow-release, non-burning organic blend rich in humates, carbohydrates and trace minerals, which naturally enhances any soil type and promotes turf and plant quality.

Proven through university research and on some of the finest golf courses and home lawns throughout the US, Healthy Grow ACCM fertilizers improve the plant's ability to take up and efficiently utilize available nutrients. The added organic matter improves soil tilth, reduces compaction, and enhances water availability.

Healthy Grow contains no heavy metals or human bio solids. And because it's fully composted, you don't get the odor problems normally associated with manure-based composts..



*Certified against National Organic Standards by the Organic Materials Review Institute.*

### Nutrition Source

- » Aerobically Composted Chicken Manure (ACCM)
- » Sulfate of Potash
- » Feather Meal
- » Molasses
- » Iron Sulfate

### Benefits

- » Conditions any soil type, even clay
- » Stimulates microbial activity
- » Improves cation exchange capacity
- » Enhances water-holding capacity
- » Increases aeration, reduces compaction
- » Promotes natural tolerance to stress, pests, and disease

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## The Pearl Valley Organix story



It all began with a science project when first grade teacher, Dave Thompson, wanted his class to watch chicks hatch from eggs. Thirty years later, Dave, his wife Terry, and son Ben are running the successful family businesses of Pearl Valley Eggs and Pearl Valley Organix. Dave always had a strong belief in protecting the environment and doing things right, and this shows in all aspects of the business. Pearl Valley's egg-producing chickens thrive on a high-quality, calcium-enriched diet produced in their own feed mill. Ground wheat straw, grown on site, aids in the composting process. So not only does Pearl Valley sell environmentally sound solutions, they live them every day.

## Processing over 40 tons of chicken manure a day

Chicken manure is transported on underground conveyors to covered buildings and blended with a carbon source. The mixture is then turned daily until fully composted in 45-60 days. Unlike competitive products, no artificial heat is used, so the microbial population is preserved. Finished compost is screened, then pelletized and dried to create a ready-to-use, homogenous, low-odor fertilizer.



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# HG 5-2-3 with Iron for Greens, Tees & Fairways

## Supporting Healthy Soil

Healthy Grow fertilizers add organic matter to the soil and encourage microbial growth to help balance your soil as nature intended.

Available in SGN sizes of 90 and 200, the easy-to-spread granules are extremely low dust, distribute easily, and move into the turf canopy with irrigation.

## Naturally High in Calcium

An essential plant nutrient that plays a critical role in root and cell wall development, calcium improves the plant's ability to photosynthesize and more efficiently take up nitrogen and other minerals.

**Result: a stronger, healthier plant.**

Backed by years of university research on golf courses, Healthy Grow Organic Fertilizers have consistently outperformed conventional synthetic fertilizers and other organic alternatives.

Organism Biomass Data (Expected Range)	Dry Weight (.45 – .85)	Active Bacteria (15 -25)	Total Bacteria (100-3000)	Active Fungal (15-25)	Total Fungal (100-300)
COMPETITOR A	.92	0	287	0	30.2
COMPETITOR B	.97	0	560	0	15.3
COMPETITOR C	.91	0	230	0	19.4
COMPETITOR D	.89	0	393	0	2.15
<b>HG 2-4-3</b>	<b>.74</b>	<b>45.0</b>	<b>888</b>	<b>14.4</b>	<b>467</b>

When analyzed against other competitive fertilizers, results show that Healthy Grow contains higher levels of beneficial active bacteria and fungi, which promotes soil health, root development and nutrient uptake.

## Guaranteed Analysis

Available in bulk, bulk bags, and 50 lb bags.

Total Nitrogen	(N)	5.0%
0.9% Ammoniacal Nitrogen		
4.1% Water Insoluble Nitrogen		
Available Phosphoric Acid	(P <sub>2</sub> O <sub>5</sub> )	2.0%
Soluble Potash	(K <sub>2</sub> O)	3.0%
Calcium	(Ca)	5.0%
Iron	(Fe)	1.0%
Magnesium	(Mg)	1.0%

## Application Rates

### TURF

- » Apply 6.25 to 12.50 lb of product per 1,000 sq ft to deliver 0.3 to .63 lb of N per 1,000 sq ft
- » Apply 275 to 550 lb of product per acre to deliver 0.30 to 0.63 lb of N per 1,000 sq ft
- » Use in combination with aerification for enhanced results
- » Always calibrate spreader to ensure proper application
- » Irrigate to move product down into the turf canopy before mowing

### ORNAMENTAL

- » Apply 2 lb of product per 100 sq ft to deliver 1 lb of N to landscape beds.

PEARL VALLEY ORGANIX has years of experience refining the chicken manure composting process and combining it with superior additives to produce the best-performing, organic-based fertilizers on the market.

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