

Driven by nature. Backed by science.

GOLF COURSE · ALL SURFACES

Golf Course Application Guide

Greens, tees and fairways in one guide · Target. Fortify. Improve.

Sigma Foundation Program on greens, tees and fairways: biology, organic acids and carbon food sources in every spray, with the granular foundation at aerification and topdressing.

- **Liquids** at weekly rates with every spray.
- **Granular** at the low, medium or high Foundation rates.
- **Calendars** and regional spray programs online.

Build your foundation today. Follow the science.

GREENS

golf course
application guide

Greens program

Sigma Foundation Program · golf course

Greens programs are the pinnacle of the golf course operation and receive more scrutiny than anywhere else on the course. Sigma Foundation Program works with your current program to go beyond NPK by activating the soil profile and improving the input efficiency of your existing system: biology, organic acids and carbon food sources in every spray.

Key points for your operation

- Increased lower leaf density
- Increase in fibrous root density
- Maximized input efficiency
- Drought tolerance
- Increased tolerance to wear
- Faster recovery from stress
- Increased water management
- Water use uniformity

Granular · SGN 110 fine grade

PRODUCT	RATE	WHEN
Sigma 4-4-4 Bio	**6.9 lb / 1,000 ft²** 300 lb / acre	Low rate: spring green-up, then every 30–45 days with topdressing, rolled in and watered.
Sigma 4-4-4 Bio	**12.5 lb / 1,000 ft²** 545 lb / acre	Medium rate at aerification and for recovery, worked into the surface; 2–3 times per season.
Sigma 0-2-13 Bio 2X	**2.3–3.4 lb / 1,000 ft²** 100–150 lb / acre	Double Bio rotation every 45 days. No nitrogen, so it does not push growth.
Sigma 5-3-2 Bio or 6-2-6 Bio	**6.9 lb / 1,000 ft²** 300 lb / acre	As conditions call for: 5-3-2 for traffic and stress, 6-2-6 for higher nitrogen and potassium.

Granular lineup: Sigma 0-2-13 Bio 2X, 4-4-4 Bio, 4-3-2 Bio 2X, 5-3-2 Bio and 6-2-6 Bio. SGN 110 on fine turf, SGN 250 on large areas.

Liquids · weekly rate per 1,000 ft²

Sigma Bio	**0.25 oz**
Sigma Molasses	**0.25 oz**
Sigma Microalgae	**0.5 oz**
Sigma Biochar 5M	**0.5 oz**
Sigma Seaweed	**0.5 oz** up to 1 oz
Sigma K-Ferm	**0.5 oz** up to 1 oz

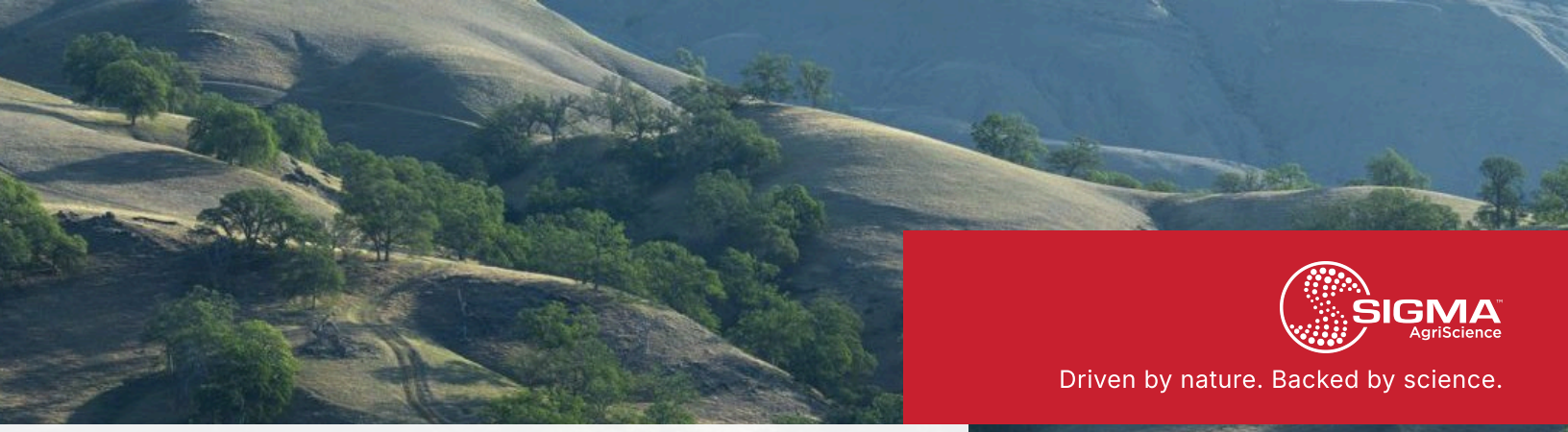
How to use the liquids

Tank-mix with every foliar or soil spray on your 7–14 day rotation. Multiply the weekly rate by the weeks between sprays (2× on 14 days). Sigma liquids go into the tank first; water in within 36 hours.

Rate guide. Weekly program: Seaweed and K-Ferm at the low rate. On 3-week spray intervals, or in arid conditions and heat stress, use the high rate, even on short intervals.

Regional programs: see the Companion Spray Programs for your region, the Establishment programs for grow-ins, and the full greens calendar on the Sigma Foundation Program website.

Sigma Foundation Program products are not pesticides and do not replace fungicide, insecticide or nematicide programs; they are applied as a companion in the same tank. Always jar test, confirm state registration, and read and follow label directions.



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Golf Course Tee Box Application Guide

Target. Fortify. Improve.

Sigma Foundation Program on tee boxs: biology, organic acids and carbon food sources in every spray, with the granular foundation at aerification and topdressing.

- **Liquids** at weekly rates with every spray.
- **Granular** at the low, medium or high Foundation rates.
- **Calendars** and regional spray programs online.

Build your foundation today. Follow the science.



Sigma AgriScience · 580 Maxim Dr., Boling, TX 77420 · (281) 706-8171 · info@sigma-agri.com

TEE BOX

golf course
application guide

Tee Box program

Sigma Foundation Program · golf course

Tee boxes receive more abuse per square foot than anywhere else on the course. Sigma Foundation Program works with your current program to go beyond NPK by activating the soil profile and improving the input efficiency of your existing system: biology, organic acids and carbon food sources in every spray.

Key points for your operation

- Reduction in labor
- Reduced divot mix material cost
- Maximized input efficiency
- Drought tolerance
- Faster divot recovery
- Faster recovery from stress
- Increased water management
- Water use uniformity

Granular · SGN 110 fine grade

PRODUCT	RATE	WHEN
Sigma 4-4-4 Bio	**6.9 lb / 1,000 ft²** 300 lb / acre	Low rate: spring green-up, then every 30–45 days with topdressing, rolled in and watered.
Sigma 4-4-4 Bio	**12.5 lb / 1,000 ft²** 545 lb / acre	Medium rate at aerification and for divot recovery, worked into the surface; 2–3 times per season.
Sigma 0-2-13 Bio 2X	**2.3–3.4 lb / 1,000 ft²** 100–150 lb / acre	Double Bio rotation every 45 days. No nitrogen, so it does not push growth.
Sigma 5-3-2 Bio or 6-2-6 Bio	**6.9 lb / 1,000 ft²** 300 lb / acre	As conditions call for: 5-3-2 for traffic and stress, 6-2-6 for higher nitrogen and potassium.

Granular lineup: Sigma 0-2-13 Bio 2X, 4-4-4 Bio, 4-3-2 Bio 2X, 5-3-2 Bio and 6-2-6 Bio. SGN 110 on fine turf, SGN 250 on large areas.

Liquids · weekly rate per 1,000 ft²

Sigma Bio	**0.25 oz**
Sigma Molasses	**0.25 oz**
Sigma Microalgae	**0.5 oz**
Sigma Biochar 5M	**0.5 oz**
Sigma Seaweed	**0.5 oz** up to 1 oz
Sigma K-Ferm	**0.5 oz** up to 1 oz

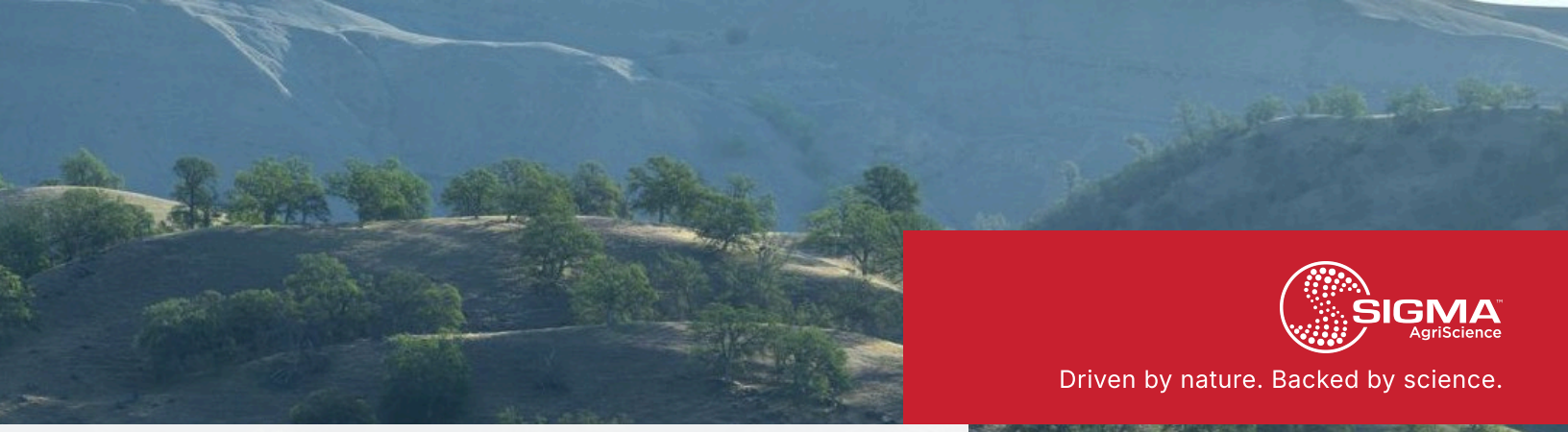
How to use the liquids

Tank-mix with every foliar or soil spray on your 7–14 day rotation. Multiply the weekly rate by the weeks between sprays (2× on 14 days). Sigma liquids go into the tank first; water in within 36 hours.

Rate guide. Weekly program: Seaweed and K-Ferm at the low rate. On 3-week spray intervals, or in arid conditions and heat stress, use the high rate, even on short intervals.

Regional programs: see the Companion Spray Programs for your region, the Establishment programs for grow-ins, and the full tee box calendar on the Sigma Foundation Program website.

Sigma Foundation Program products are not pesticides and do not replace fungicide, insecticide or nematicide programs; they are applied as a companion in the same tank. Always jar test, confirm state registration, and read and follow label directions.



SIGMA AgriScience

Driven by nature. Backed by science.

Golf Course Fairway Application Guide

Target. Fortify. Improve.

Sigma Foundation Program on fairways: biology, organic acids and carbon food sources in every spray, with the granular foundation at aerification and topdressing.

- **Liquids** at weekly rates with every spray.
- **Granular** at the low, medium or high Foundation rates.
- **Calendars** and regional spray programs online.

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FAIRWAY

golf course
application guide

Fairway program

Sigma Foundation Program · golf course

Effective fairway programs require the highest input efficiency on acreage. Sigma Foundation Program works with your current program to go beyond NPK by activating the soil profile and improving the input efficiency of your existing system, creating room in the budget for issues specific to the property.

Key points for your operation

- Increased lower leaf density
- Increase in fibrous root density
- Maximized input efficiency
- Drought tolerance
- Increased tolerance to wear
- Faster recovery from stress
- Increased water management
- Water use uniformity

Granular · SGN 250 large grade

PRODUCT	RATE	WHEN
Sigma 4-4-4 Bio	**545 lb / acre** 12.5 lb / 1,000 ft²	At aerification and for recovery, worked into the surface. Feeds 5–8 weeks depending on rate.
Sigma 12-2-6 Bio Bridge	**250 lb / acre** 5.7 lb / 1,000 ft²	Before summer stress, late summer and fall. 6–8 week release, higher nitrogen and potassium, with a quick-release component.
Sigma 16-2-3 Bio Bridge	**250 lb / acre** 5.7 lb / 1,000 ft²	The longest release curve, up to 10 weeks, when you need higher nitrogen.
Sigma 0-2-13 Bio 2X	**100–150 lb / acre** 2.3–3.4 lb / 1,000 ft²	Double Bio rotation every 45 days. No nitrogen, so it does not push growth.

Bridge and 4-4-4 are an and/or choice: use Bridge when you need a longer release curve or higher N and K.

Granular lineup: Sigma 0-2-13 Bio 2X, 4-4-4 Bio, 4-3-2 Bio 2X, 5-3-2 Bio and 6-2-6 Bio. SGN 110 on fine turf, SGN 250 on large areas.

Liquids · weekly rate per acre

Sigma Bio	**11 oz**
Sigma Molasses	**11 oz**
Sigma Microalgae	**22 oz**
Sigma Biochar 5M	**22 oz**
Sigma Seaweed	**22 oz** up to 44 oz
Sigma K-Ferm	**22 oz** up to 44 oz

How to use the liquids

Tank-mix with every foliar or soil spray on your 7–14 day rotation. Multiply the weekly rate by the weeks between sprays (2× on 14 days). Sigma liquids go into the tank first; water in within 36 hours.

Rate guide. Weekly program: Seaweed and K-Ferm at the low rate. On 3-week spray intervals, or in arid conditions and heat stress, use the high rate, even on short intervals.

Regional programs: see the Companion Spray Programs for your region, the Establishment programs for grow-ins, and the full fairway calendar on the Sigma Foundation Program website.

Sigma Foundation Program products are not pesticides and do not replace fungicide, insecticide or nematicide programs; they are applied as a companion in the same tank. Always jar test, confirm state registration, and read and follow label directions.