SGP+™ Feeding Protocol & Best Practices

Natural Phytochemical Enhanced Bovine Ration™ (NPEBR™)

Guidance for Ranch, Feedlot, Dairy, and General Bovine Operations

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1. Overview

SGP+™ (Supreme Gold Plus™) is a proprietary renewable cattle feed and ration technology formulated from sugarcane bagasse (with lignin degraded and depolymerized in vitro), Nutri-Mastic™ (Chios Mastic Gum and ionic minerals), and Carob. It is designed to unlock the energy and protein potential of lignin while supporting digestion, absorption, hydration, and overall herd performance.

SGP+™ is applied as both a product and a technology under the designation Natural Phytochemical Enhanced Bovine Ration™ (NPEBR™). It is not a simple forage-to-forage replacement. Successful use requires gradual introduction, ongoing monitoring via manure scoring, and adjustment based on herd acceptance and performance.

2. Key Reported Benefits

- Optimized digestion and absorption leading to Manure Score 3 pats (12–15% CP, 62–70% TDN).
- Up to 100% fly reduction and major odor reduction within 16–30 days on protocol; returns within ~39 days if discontinued.
- Reduced water/hydration requirements (reported ~30% in some herds; 10%+ via internal H_2O production from lignin breakdown).
- Faster weight gain and improved finish (e.g., reports of 1.1 lb ADG from ~4.8 lb mixed ration; higher weaning weights such as 667 lb vs. 487 lb).
- Improved milk volume and quality, richer colostrum, healthier calves.
- Elimination or reduction of need for separate mineral, protein, fly, and other supplements once Score 3 is achieved.
- Cost savings: reports of pays back ~2.25× the cost of feeding; daily costs as low as $0.40–$0.41/head in some operations.
- Pest repulsion (filth flies, ticks, potential New World Screwworm effects reported by ranchers).
- Reduced greenhouse gas indicators (less burping, odor-free manure/urine).
- Improved meat quality and taste; longer productive life for females.

3. Core Principles of Application

- Treat SGP+™ as a technology for ration management, not merely an additive.
- Introduce gradually to allow the digestive system to adjust and heal.
- Use Manure Scoring as the primary visual guide for ration quality, digestibility, and absorption.
- Target and sustain Manure Score 3: consistency like thick pancake batter with a slight middle divot; indicative of 12–15% CP and 62–70% TDN; odorless with no fly larvae.
- Adjust non-SGP+ components downward as SGP+ inclusion increases, guided by acceptance and performance.
- Monitor herd performance metrics (weight gain, milk, health, fly presence, water intake) alongside manure scores.

4. Recommended Introduction Protocol

Gradual introduction over 2–4 week intervals based on herd acceptance and improvement is recommended. Slight variations exist across operations (starting at 15% or 20%; many cite a practical working range of 60%, with some successfully using up to 80%).

Step	SGP+™ Inclusion	Action & Timing
1	15–20%	Mix with existing ration. Introduce per normal feeding practices. Allow 2–4 weeks for digestive adjustment.
2	30–40%	Increase after 2–4 weeks if herd is accepting and performance is positive. Continue monitoring manure.
3	45–60%	Further increase after additional 2–4 weeks. Aim for sustained Manure Score 3.
4 (Optional)	Up to 80%	Some operations (including Deer Run Ranch and product guidance) use 80% SGP+™ / 20% other feed (e.g., cracked corn). Only after full acceptance and Score 3 is established. Do not exceed levels where performance declines.

After 2–3 months of consistent application at ~60% (or higher where accepted), herds typically produce sustained Manure Score 3 pats. Once accepted, cattle are reported to run to the feed.

5. Application by Operation Type

5.1 Ranch / Pasture Beef Operations

Example from multi-year use at a midwest ranch: 2.5 lb SGP+™ + 2.5 lb alfalfa per day (~5 lb total), reported cost ~$0.40/head/day. Eliminates other mineral, fly, protein, and similar supplements. Reported reductions in grass intake (~25%), water requirements (~30%), and drought impact. Higher weaning weights and improved reproductive performance noted.

5.2 Feedlot Operations

Higher inclusion levels support faster gain and reduced days on feed. Customer feedback cites approximately 5.5 lb/day for feedlot or dairy-lot weight animals as a minimal effective supplement level, with improved digestion and output. Mix with existing high-energy feeds (e.g., cracked corn). Goal is peak genetic efficiency, healthier animals, and potentially reduced respiratory/digestive issues. Water savings claims are particularly relevant for large feedlot operations.

5.3 Dairy Operations

Applied in Holstein and other dairy herds, including trials in the USA and other countries. Benefits include increased milk volume and quality, larger productive udders, richer colostrum (reported dripping pre-calving in some cases), healthier calves, and reduced antibiotic use. Same gradual introduction and manure-scoring guidance applies. One dairy trial in the Midwest focused on replacing cottonseed hulls while monitoring milk fat, volume, bag size, and flies.

6. Monitoring & Adjustment (ABC Approach)

A. Apply — Introduce SGP+™ as a baseline at increasing percentages (20% → 40% → 60% or higher) over 2–4 week intervals.

B. Allow — Let Manure Scoring guide adjustments. Score 3 confirms optimum CP/TDN balance and absorption. Score 1 or 5 indicates imbalance; adjust ration accordingly.

C. Observe — Track herd performance (ADG, milk, health, fly load, water use, body condition) and refine the non-SGP+ portion of the ration.

Manure Score 3 is the established target and is described as the qualitative indicator of a complete, balanced diet (protein, carbohydrates, fats, minerals, vitamins).

7. Additional Best Practices

- Consistency is critical — benefits (especially fly/odor control and Score 3 manure) are lost if the protocol is discontinued.
- Acceptance varies by herd; some require more time or different mixing methods.
- Once Score 3 is sustained, many producers report ability to eliminate separate mineral and fly supplements.

• SGP+™ is reported safe across thousands of beef and dairy animals over many years with no adverse reports in the materials reviewed.

• Packaging: typically 2,200 lb wrapped bales or 700 lb SuperSax; priced around $150/ton in product information.

• Primary design is for ruminants. Limited discussion of aged material for monogastric animals (e.g., horses) appears only with caution and is not the intended primary use.

Important Notes

This protocol is a synthesis of information published on impactfusionbrands.com. Results reported are those of individual operations and trials as described by Impact Fusion International. Individual results may vary based on existing ration, management, environment, animal factors, and other variables. Consult a qualified animal nutritionist or veterinarian for application to specific operations. Always follow label directions and local regulations. SGP+™ is a product and technology of Impact Fusion International, Inc.

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