Successful Horse Trials, Re-establishment of Equine Intact™, Introduction of SGP+E™, and Efficacy of SupremeAG™ Related to Hepatic Function(Part3C)

LETTER TO THE SHAREHOLDERS

August 20, 2025

Napoleonville, LA IFUS:OTCID

IFUS has announced the re-establishment of its Equine Intact™ Line. This product update will be shortly visible at https://www.impactfusionbrands.com. Equine Intact™ will be solely available through IFUS established distributors. A series of trials of late have been conducted on (1) a Standard Bred 3-year old filly and (2) a horse recovery operation in New Mexico. The successful latter trial has resulted in an additional product formulated specifically for horses: SGP+E™.

The filly suffered from "**Tie-Up**." "Tying up in horses, also known as exertional rhabdomyolysis, is characterized by muscle stiffness, pain, and reluctance to move, often occurring during or after exercise." The horse was reported to experience symptoms causing her to prematurely exit the field mid-race. After mixing Equine Intact™ into her ration and allowing her to consume this for 10-days, the horse placed second in a race without Tie-Up symptoms, while also achieving her second-best racing time. The horse then ran another race a week later and finished first in her field.

"These results coupled with a previously reported successful application of SGP+E™ to a horse recovery operation in New Mexico has us most encouraged about an ever-expanding set of applications for your company's base technologies," said Marc Walther, CEO of IFUS. "We now have requests from other horse operations who desire to test Equine Intact™ as well as SGP+E™."

Furthermore, the final installment in the series of Shareholder Updates started earlier this month on plausible impact of IFUS Products on hepatic (liver) function, is provided below. "The Efficacy of SupremeAG™ on Root and Plant Growth Part 3c" offers additional plausible efficacy of Nutri-Mastic™, SGP+™, and SupremeAG™ to plants, but also lays the groundwork of a three-tiered impact of your IFUS Product Line on human, animal, and plant health.

As a reminder, where plants do not have livers, studies are showing that phytochemicals in plants can have a positive impact on the hepatic function of both

humans and animal. When these plants are consumed by animals or humans, the phytochemicals become available to both. If the human eats the plant or the animal (or products from the animal, like eggs or milk), studies conducted independent of IFUS are demonstrating beneficial effects on human health--in this case hepatic function. These same phytochemicals are found in the active ingredients in the IFUS Product Lines and are seemingly found in SupremeAG™.

(1) SupremeAG™ (Excerpts for IFUS Part 1 White Paper)

In Part 3a, we shared a study published by Canellas, L.P., Olivares, F.L. "Physiological responses to humic substances as plant growth promoter." Chem. Biol. Technol. Agric. 1, 3 (2014). https://doi.org/10.1186/2196-5641-1-3.

Furthermore, Dr. Robert E. Pettit states: "Man became distracted from the importance of organic compound cycling when it was discovered that soluble acidic based N P K "fertilizers" could stimulate plant growth. Large industrial concerns took advantage of the N P K discovery to market industrially processed "fertilizers" from mineral deposit. Continued use of these acidic fertilizers in the absence of adequate humic substances (in the soil) has caused many serious sociological and ecological problems. Man needs to reconsider his approach to fertilization techniques by giving higher priority to soil humus., ORGANIC MATTER, HUMUS, HUMATE, HUMIC ACID, FULVIC ACID AND HUMIN: THEIR IMPORTANCE IN SOIL FERTILITY AND PLANT HEALTH, Dr. Robert E. Pettit, Emeritus Associate Professor Texas A&M University

IFUS Point 2c: To Dr. Pettit's point, a study was performed on Humic Substances (HS) using a supplement: "Effects of a dietary complex of humic and fulvic acids (FeedMAX 15™) on the health and production of feedlot cattle destined for the Australian domestic market. Conclusions: Feeding the humic and fulvic acid complex, FeedMAX 15™, at 0.055 g per kg body weight per day, can increase growth rate and feed conversion efficiency in feedlot cattle." P M V Cusack, Aust Vet J., 2008 Jan-Feb;86(1-2):46-9.

Where this unaffiliated scientific study establishes the success of HS as isolated supplements, ranchers and dairymen applying SGP+™ to their respective herds are reporting success rates far beyond just improved Average Daily Weight Gain (ADWG). These successes include:

- Improved overall health and wellness of their heifers as indicated by Herd Scoring.

- Improved health and wellness of progeny born within their herds as reflected in decreased infant mortality.
- Improved estrous cycle amongst their heifers as indicated by the ease of fertilization and number of calves born / year.
- Reduction in high-priced feed stocks fed to their heifers (e.g., grains, hay, supplements) as indicated by their cost, revenue, and profit margins.
- Reduction in high-energy "junk-food" (e.g., chicken waste, candy fall-off, etc.) fed to their heifers as indicated by their application of 85+% SGP+™ to 15% Cracked Corn plus foraging.
- Reduction in antibiotic application and other medications again as indicated by their financial costs.
- Reduction of flies on the cattle and fly larvae in the manure.
- Improvement in heat tolerance and hydration of their heifers as indicated by their reduced water consumption, observable decrease in urinary output, and survival rates of both adults and calves.
- Improvement in muscle mass, milk production and quality (specifically an improvement in NDF), finish, and overall quality of their heifers as indicated by pictures of milk bags, colostrum dripping from teats, health of the calves, ADWG, increased sale price with improved Scoring, etc.
- Improved meat quality and taste as indicated by butchers grading the meat, the marbleization, and the fact the meat just tasted "damn good!".
- Reduction in Carbon Footprint.

These claims are reinforced by studies on the impact of phytochemicals. We find in: Front. Anim. Sci., 24 October 2021, Sec. Animal Nutrition, Volume 2 - 2021 | https://doi.org/10.3389/fanim.2021.729423. Hunter R. Ford, et.al, stated in their Abstract: "Some pasture species are rich in phytochemicals, able to improve milk yield and quality and to reduce the environmental impacts of livestock farming. The phytochemicals interact with the different gene networks within the animal, such as nuclear factor erythroid 2-related factor 2 (NRF2), but their overall impact on animal health remains to be fully understood. The objective of this study was to identify the effects of pasture Legumes and non-leguminous Forbs containing high bioactive compounds on metabolism and activity of the liver, antioxidant response, kidney function, and inflammation of dairy cows using a large array of blood parameters associated with metabolism and the innate immune system. For this purpose, 26 parameters and the concentration of certain bioactive compounds were assessed in blood plasma, collected from the Jersey cows grazing either Grass, Legume, or Forb-based pastures. In addition, serum collected from all the cows was utilized to detect the changes in NRF2 activation in bovine mammary alveolar

cells (MACT) and hepatocytes. Compared with Grass, the cows that grazed both Forb and Legume pastures had lower β-hydroxybutyric acid (BHB) and creatinine and larger vitamin E and the ferric reducing ability of the plasma, supporting an improved antioxidative status for these animals. Compared with both Grass and Legume, the cows that graze Forb pasture had lower urea and urea to creatinine ratio, and lower creatinine, indicating a better kidney function. The cows grazing Legume pasture had greater hematocrit, bilirubin, cholesterol, albumin, β-carotene, retinol, and thiol groups but lower ceruloplasmin, paraoxonase, and myeloperoxidase (MPO) than those grazed Grass and Forb pastures, indicating a positive effect of Legume pasture on the liver, oxidative stress, and red blood cells. The plasma of cows in the various pastures was enriched with various isoflavonoids, especially the cows grazed on Forb and Legume pastures, which likely contributed to improving the antioxidative status of those cows. However, this effect was likely not due to the higher activation of NRF2. Overall, these results indicate that Forb and Legume pastures rich in secondary metabolites do not strongly affect the metabolism but can improve the status of the liver and the kidney and improve the efficiency of N utilization and antioxidant response, compared with the Grass pasture." (See Table 1)" (As a note, Carob is part of the legume family.)

"Table 1. The blood parameters associated with metabolism and mineral concentration in the dairy cows grazing Grass-, Forb-, or Legume-based pastures."

Parameters[1]	Grass	Forb	Legume	Period 1	Period 2	SEM	*P*-values[2]		
							Pas	Per	P x P
Hematocrit	32.42[b]	32.04[b]	34.31[a]	32.25	32.59	0.23	<0.05	0.31	0.50
Metabolism									
Glucose, mM	3.86	3.85	3.87	3.85	3.87	0.05	0.99	0.81	0.51
Cholesterol, mM	5.62[b]	5.91[b]	6.46[a]	5.92	6.07	0.12	<0.01	0.22	0.17
NEFA, mM	0.17	0.22	0.20	0.23	0.17	0.02	0.17	<0.01	0.42
NEFA/Albumin	0.30	0.39	0.35	0.40	0.29	0.03	0.12	<0.01	0.42
BHB, mM	0.59[a]	0.45[c]	0.51[b]	0.50	0.53	0.02	<0.01	0.12	0.20
Protein, g/L	80.3[a]	79.1[b]	80.6[a]	80.5	79.5	0.54	0.05	<0.05	0.77
Minerals									
Calcium, mM	2.73	2.68	2.68	2.71	2.69	0.03	0.13	0.36	0.61
Free Ca^{2+}, mM	1.36	1.34	1.34	1.35	1.34	0.02	0.47	0.69	0.79
Phosphorus, mM	1.50	1.40	1.43	1.46	1.43	0.06	0.47	0.60	0.29
Magnesium, mM	1.14	1.17	1.18	1.17	1.15	0.01	0.10	0.27	0.19
Zinc, μM	10.9	11.7	11.2	11.5	11.0	0.27	0.18	0.11	0.43

[1]*NEFA, non-esterified fatty acids and BHBA, β-hydroxybutyrate.* [2]*Pas, effect of type of pasture; Per, effect of the period; P × P, interaction type of pasture and period. Letters a,b,c indicate significant differences between treatments (p<0.05).*

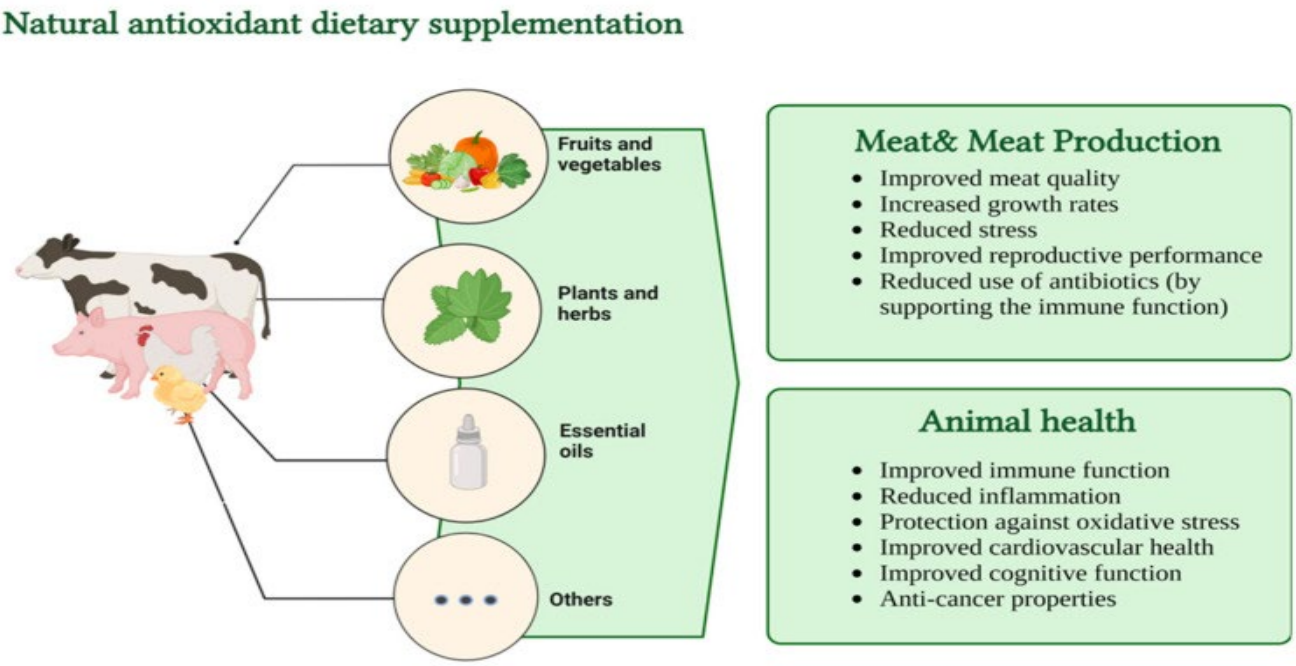
What is interesting in the aforementioned study (and other related studies) is the correlation of Humic Substances, Critical Minerals, Overall Nutrition, and Herd

Performance…all of which are consistent with Nutri-Mastic™, SGP+™, and SupremeAG™. Animals consuming SGP+™ are believed to:

1. excrete Humic Substances, Phytochemicals, minerals, and other natural substances, which are said to nourish the earth and produce beneficial substances necessary for healthy plants.
2. provide healthier plant- and animal-based foods for human consumption; hence, improving human health.
3. provide a mechanism for Carbon Footprint reduction in crop and animal production as well as carbon processing in the soil through a reduction in required synthetic fertilizers for crop-yield and more.

This trifecta of benefits is supported by:

IFUS Point 5g(1-6): The illustration in Figure 3 clearly establishes relationships between ration containing anti-oxidant based phytochemicals on "Meat & Meat Production" and "Animal Health." As SGP+™ contains ingredients shown to contain beneficial plants-based anti-oxidant phytochemicals and more, yet another thread of evidence is presented, which offers plausible explanations of the herd performance being reported by cattlemen and dairymen applying SGP+™ as part of their respective ration management strategies. These ingredients include Chios Mastic Gum, Carob, and degraded and depolymerized lignin from Sugarcane Bagasse (as well as other components both in the Sugarcane and the resulting bagasse).



Natural antioxidant dietary supplementation effects (illustration made via www.BioRender.com, accessed on 9 March 2023). View full-text article in PMC, Foods . 2023 Mar 21;12(6):1334. doi: 10.3390/foods12061334

"As our IFUS Scientific Team continues to work with our customers and research partners, the performance-based data being collected is revealing an understanding of both the efficacy and limits of our IFUS Product Line. This brings us greater clarity as to strategic applications of our IFUS Products. Each success story triggers renewed efforts to understand how and why the success was created. We believe this will allow your company to fulfill its commitment to a successful aggressive sales effort," said Marc Walther, CEO of Impact Fusion International. "We believe we are advancing our knowledge-base so as to apply our IFUS Product Lines, such that healthier plants and plant-based nutrition leads to healthier animals and humans, while simultaneously providing supplements to further improve the health and well-being of humans, animals, and plants in a cost-effective, eco-friendly manner…and with products that actually work."

Back to Work and Feed the World!

For our customers of both Intact Digest™ and Intact Endurance™ you may now send your testimonials to:

mwalther@impactfusionintl.com We can also be reached at 1-800-775-4130 seven days a week.

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