Initial SupremeAG™ Trial at Southern University Agricultural Research (SUAREC) Provides Invaluable Insight into the Efficacy of SupremeAG™ Part 3a of 3

LETTER TO THE SHAREHOLDERS

November 11, 2025

Napoleonville, LA IFUS:OTCID

In our November 3, 2025 Part 1 update, we began with a quote from Dr. Robert E. Pettit, Emeritus Associate Professor Texas A&M University, who published a treatise: "ORGANIC MATTER, HUMUS, HUMATE, HUMIC ACID, FULVIC ACID AND HUMIN: THEIR IMPORTANCE IN SOIL FERTILITY AND PLANT HEALTH."

As a reminder, Dr. Pettit stated, "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**."

Diagram 1: Note the ionic mineral content in the bottom right-hand corner.

Source: https://image.slidesharecdn.com/soilorganicmatter-181129065629/75/Soilorganic-matter-and-Humic-substances-1-2048.jpg

On Friday, 7Nov2025 a World-Wide Press Release discussed the efforts of the “Florida Statewide Organization (FSO) of Omega Psi Phi Fraternity, Inc." The FSO "has launched an Agricultural Committee to Test Impact Fusion’s Technology Against Citrus Greening, Citrus Canker, Increase Fruit Tree Yield, Increase Chicken Egg Production, and Producing Quality Beef Without New World Screwworms Infections with a targeted effort to Decrease Food Insecurity." (https://www.impactfusionbrands.com/news/)

Furthermore, similar efforts are underway at SUAREC in Baton Rouge, LA, which has as part of its outreach efforts a functioning "USDA Nutrition Hub". The "Hub" at SUAREC holds its mission as "ASCEND for Better Health."

In consideration of efforts like that of FSO and SUAREC, a trial kicked off during late Spring of 2025. Ten (10) newly planted blackberry vines were mulched with SupremeAG™ with ten (10) newly planted vines left un-mulched.

The favorable nutritional qualities of berry-producing plants are well-established.

As examples:

(1) Piazza S, Fumagalli M, Khalilpour S, Martinelli G, Magnavacca A, Dell'Agli M, Sangiovanni E. A Review of the Potential Benefits of Plants Producing Berries in Skin Disorders. Antioxidants (Basel). 2020 Jun 20;9(6):542. doi: 10.3390/antiox9060542. PMID: 32575730; PMCID: PMC7346205.

(2) John T. Weber. 2022. Traditional uses and beneficial effects of various species of berry-producing plants in eastern Canada. Botany. 100(2): 175-182. https://doi.org/10.1139/cjb-2021-0086.

The photo (Picture 1) below illustrates a vine mulched with SupremeAG™. This vine (along with other 9 SupremeAG™-mulched vines) has been pruned twice this year. It and the other 9 vines will undergo a final pruning once their growth is suspended by frost. This will ensure new growth, ample blooms, and superior fruit production in Spring 2026.

Picture 1:

By contrast, vines of the same varietal (and from the same grower) were planted the same day (Picture 2). However, these were NOT mulched with SupremeAG™. These vines have NOT been pruned to date and have demonstrated 5% of the growth of the blackberry vines mulched with SupremeAG™. Also, these vines are only 15-ft apart from the mulched vines. The mulching in the picture is residual wood chips.

The stark contrast in the two groups of sample vines led our IFUS Scientific Team to ask the question: Do blackberries like humus-rich soil?

"Yes, blackberries thrive in humus-rich soil. Humus, or organic matter, is essential for soil fertility and provides the necessary nutrients for blackberry plants. When incorporating humus into the soil, it helps improve soil structure, retain moisture, and provide slow-release nutrients that support vigorous cane development and consistent fruiting. Blackberries prefer a slightly acidic to neutral soil pH, and humus-rich soil can help maintain this ideal pH level, promoting healthy growth and fruit production."

In an article published on Fruit Tree Hub August 11, 2024 (https://fruittreehub.com/what-type-of-soil-do-blackberries-like/), Lucy Smith writes:

"Have you ever wondered why your blackberry bushes aren't thriving as they should? Picture this: you've planted those delicious blackberries with care, but they seem to be struggling in their growth. What could be the missing piece of the puzzle?

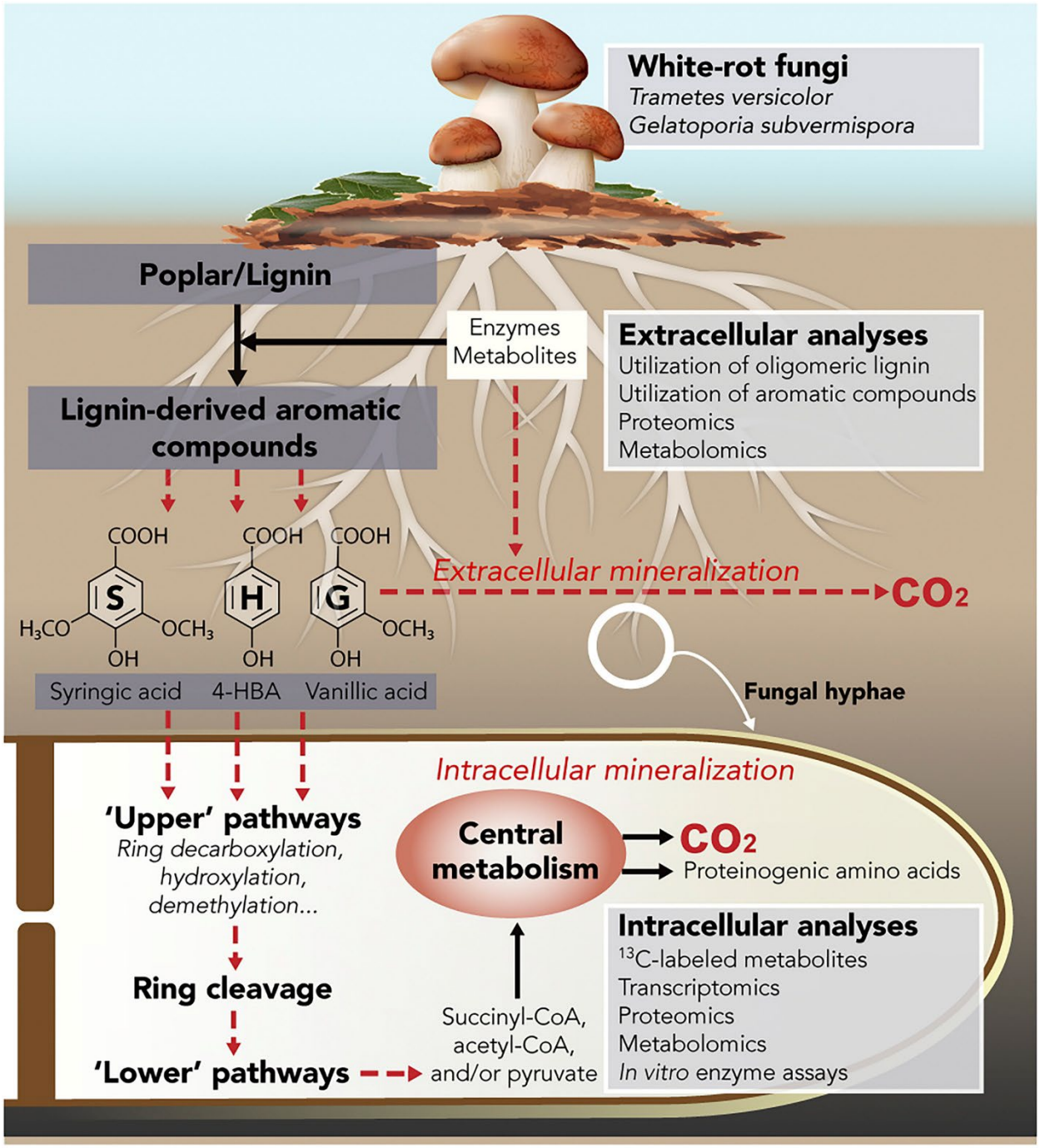
In this article, we'll explore the crucial factor that can make or break your blackberry harvest – soil. By understanding what type of soil blackberries prefer, you'll unlock the secret to bountiful berries in your own backyard. Ready to give your blackberries the best possible chance to flourish? Let's dive into the world of soil types and discover how you can set the perfect foundation for a successful blackberry garden.

Key Takeaways:

- Blackberries thrive in well-drained soil to prevent waterlogging and root rot.
- A loamy soil texture with sand, silt, and clay balance promotes healthy root development.
- Optimal pH levels for blackberries range between 5.5 and 7.0 for proper nutrient uptake.
- Soil rich in organic matter enhances nutrient availability and supports microbial activity beneficial for growth.
- Good air circulation within the soil is essential for root respiration and nutrient absorption by blackberry plants.
- Regularly monitor and maintain soil health through testing, adding organic matter, adjusting pH levels, and practicing crop rotation for sustained blackberry growth."

With Best Gardening Practices like those offered by Ms. Smith, the IFUS Scientific Team considered the SupremeAG™ formulation. The formulation contains Chios Mastic Gum, Carob, 72-Natural Ionic Minerals, Water, and Sugarcane Bagasse. Additionally, White Rot Fungi seem to be nourished by the ingredients in the SupremeAG™ formulation, resulting in the accelerated degradation and depolymerization of the lignin as demonstrated in Diagram 2 below:

Diagram 2:



Source: “Intracellular pathways for lignin catabolism in white-rot fungi” written by Carlos del Cerro, et.al in "The Proceedings of the National Academy of Sciences: Systems Biology/Biological Sciences," Feb. 23, 2021

Additionally, the IFUS Scientific Team finds evidence of the degradation and depolymerization of lignin when opening bags of SupremeAG™ (Picture 3). Product prepared about 3-months ago, revealed active White Rot Fungi per the picture below taken at the IFUS Test Farm in SE Louisiana (about 15.5 miles SSW of NOLA).

Picture 3:

Additionally, in the same bag of 3-month-old SupremeAG™, it was noted that when compared to SuperSaks containing 6-month old material, that the 3-month old material presented a different profile in structure and texture; that is, was less degraded (See Picture 4):

Picture 4:

Further contrast became evident when a 9-month-old SupremeAG™ Super-Sak was opened (See Picture 5):

Picture 5:

As seen in Picture 6 below, SupremeAG™ has been compared to pictures of soil rich in Humic Substance.

Picture 6: "Close-up view of moist, dark humus soil with tiny green seedlings sprouting, showcasing the early stages of plant growth."

Source: https://forestry.com/guides/what-is-humus-in-soil/

In consideration of this information, the IFUS Scientific Team asked what key nutrients might be found in Humic Substances that would support healthy blackberry growth.

Picture 7 (below) illustrates blackberry plants being planted under the guidance of Best Gardening Practices for this specific varietal. Note the similarity in the (1) Humic Substance filled soil, (2) the optimum pH range, (3) the color and texture of soil, (4) and lastly the beautiful healthy fruit that can be produced from a single blackberry plant. This fruit can be grown typically in limited space box gardens or even be added to a flower bed for the beauty of spring blossoms and colorful fruit until harvested. The plant regenerates every year with some simply pruning, a little watering, and a bit of TLC as indicated by Best Gardening Practices.

What is Humus in Soil? Explore the Critical Advantages for Your Crops – Forestry.comhttps://forestry.com/guides/what-is-humus-in-soil/

In Evergreen Seeds (https://www.evergreenseeds.com/what-fertilizer-for-blackberries/), Larry Meyers writes in the Oct. 9, 2025 edition, "It's important to consider not just N-P-K ratios but also micronutrients like iron which can be critical based on soil tests."

SupremeAG™ contains Iron along 72-Ionic Minerals to include N, P, and K.

"Nitrogen (N), phosphorus (P), and potassium (K): Key Nutrients for Healthy Blackberries:

The key nutrients for growing healthy blackberries are nitrogen (N), phosphorus (P), and potassium (K). These macronutrients are essential for the plant's overall health and fruit production. Nitrogen promotes leaf and cane development, phosphorus aids in root development and flowering, and potassium supports fruit ripening and disease resistance. Additionally, micronutrients like iron, manganese, zinc, boron, and copper are also important but in smaller quantities. Proper

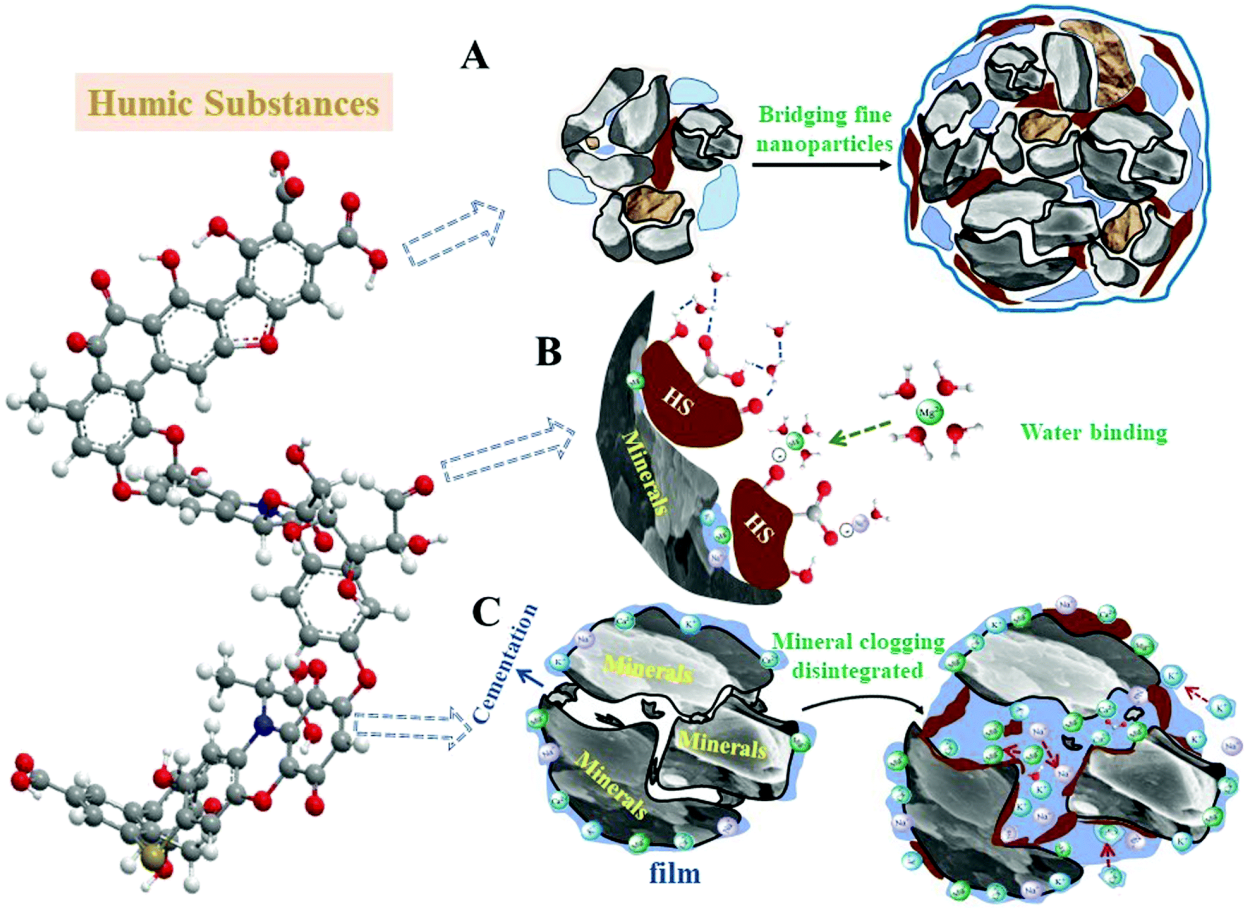
fertilization timing and application methods are crucial for maximizing yields and enhancing fruit quality."

In Diagram 3 below, we find an illustration of the effect of humic acid, which then produces three synergistic effects if found in proper balance:

(A): The "Bridging of Fine Nanoparticles".

(B): The Interaction of Minerals with HS (Humic Substance) to create water binding necessary for natural hydration of the plant.

(C): "Mineral clogging" disintegration of the "cementation" effect, hence releasing key minerals required for plant nourishment.



Source: https://pubs.rsc.org/image/article/2021/cs/d0cs01363c/d0cs01363c-f4_hi-res.gif

In (A), we find nanoparticle formation. "Nanoparticle formation is indeed important in humic soil. Nanoparticles can enhance nutrient delivery, improve soil

structure, and increase microbial activity, which are crucial for sustainable agriculture. They can also minimize soil contamination and aid in precision farming, making them valuable tools for soil health and crop growth. The unique physical, chemical, and biological properties of nanoparticles differentiate them from bulk materials, offering potential solutions to major soil and crop management issues."

> Source 1: Ahmed, B., Rizvi, A., Ali, K. et al. Nanoparticles in the soil–plant system: a review. Environ Chem Lett 19, 1545–1609 (2021). https://doi.org/10.1007/s10311-020-01138-y
>
> Source 2: Multifaceted impacts of nanoparticles on plant nutrient absorption and soil microbial communities, Front. Plant Sci., 12 November 2024, Sec. Technical Advances in Plant Science, Volume 15 - 2024 https://doi.org/10.3389/fpls.2024.1497006

In (B) we find the effect of minerals in water binding, leading to proper hydration of plants, trees, and shrubs. Of note, those applying SupremeAG™ in consideration of Best Gardening Practices for the respective plant, a general reduction of about 30% in hydration requirements to sustain the plant occurs.

In (C), we find "Cementation in humic soil is primarily caused by the interaction of humic acid (HA) with soil particles, leading to the precipitation of calcium carbonate (CaCO3). This process, known as microbial induced carbonate precipitation (MICP), is facilitated by microbial urease, which catalyzes the hydrolysis of urea to produce carbon dioxide and ammonia. The ammonia then reacts with calcium ions in the soil to form CaCO3, which can stabilize the soil structure and improve its properties. The presence of humic acid is crucial for this process, as it enhances the binding capacity of the soil particles and facilitates the formation of stable aggregates." Cao J, Liu F, Song Z, Ding W, Guo Y, Li J, Liu G. Effect of Ultra-Fine Cement on the Strength and Microstructure of Humic Acid Containing Cemented Soil. Sustainability. 2023; 15(7):5923. https://doi.org/10.3390/su15075923

For phytochemical formation critical to plant nourishment (especially from the degradation and depolymerization of lignin), the biochemistry must function in a symbiotic manner such that the microbial community (biome) can perform its actions and interactions…all while maintaining is relationships. This creates homeostasis, and when required supports an energetic form of managed chaos (Enthalpy) required to produce very specific phytochemicals in very specific concentrations. This balancing act is vital to plant health and vitality.

Based on successful plant trials and the physical inspection and application of SupremeAG™ in these trials, the IFUS Scientific Team believes there exists plausible evidence as to the efficacy of SupremeAG™ (when applied with Best Gardening Practices for any respective plant, tree, or shrub). The underperformance of control plantings supports this contention.

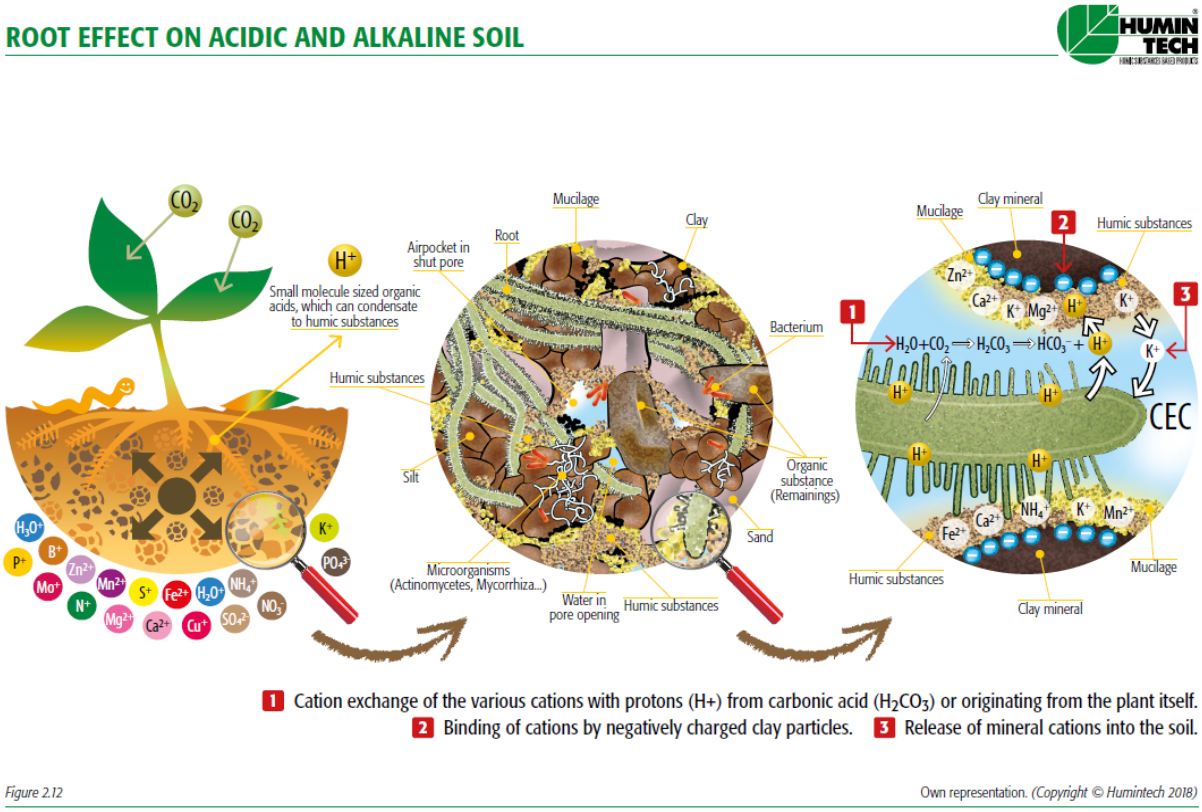
Furthermore, when considering Diagrams D, E, F, G, and H (each of which progressively illustrate the impact and involvement of minerals in root development, plant health, plant yield, and ultimately nutritive value), the IFUS Scientific Team finds reinforcing evidence for its contentions.

Diagram D: Note in Red:

1. Cation Exchange

2. Binding of Cations

3. Release of Minerals

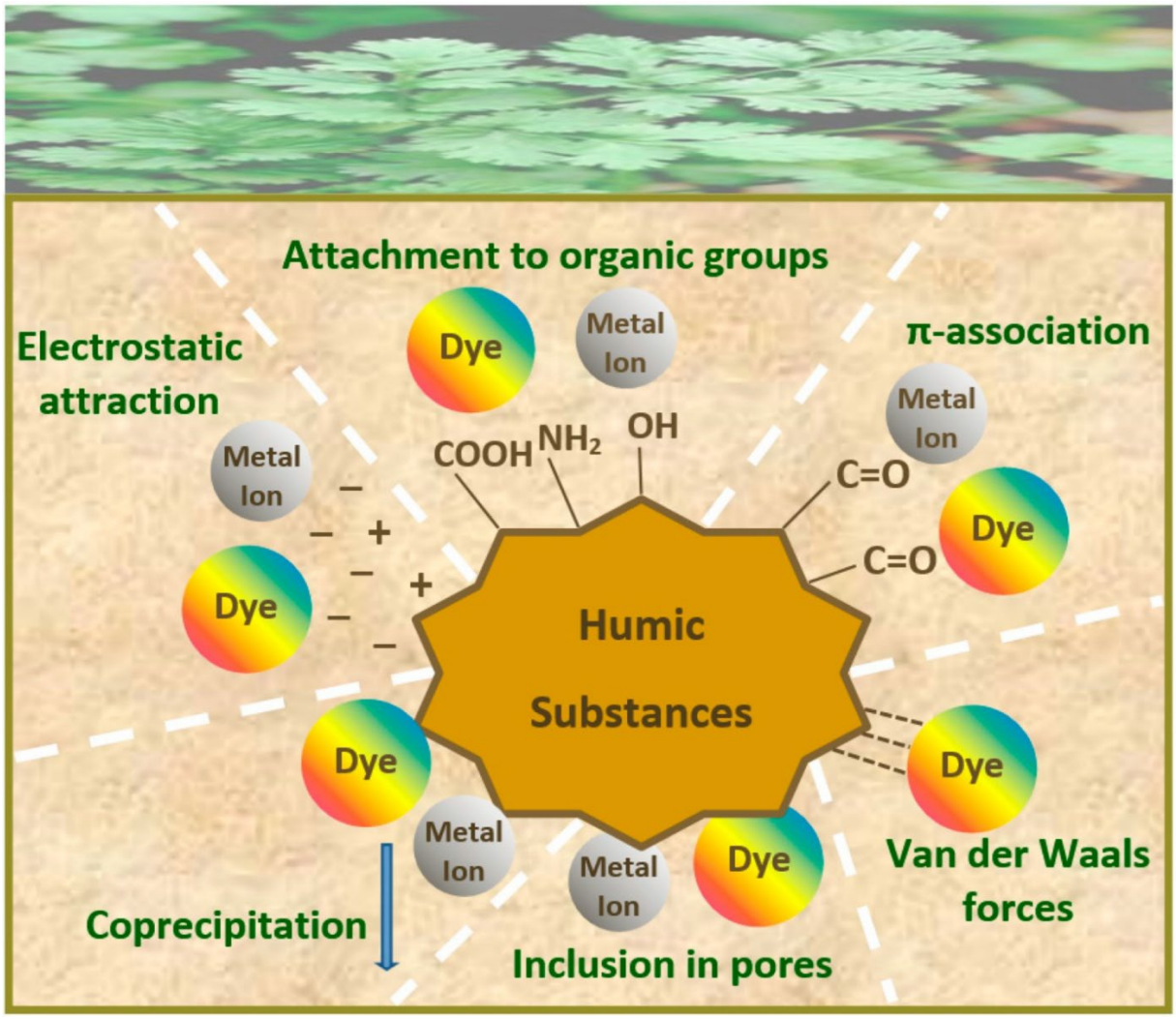


Source: [Root_effect_on_acidic_and_alkaline_soil_-_Humintech.png (1130×798)](https://www.humintech.com/fileadmin/content_images/agriculture/information/what_are_humic_acids/Root_effect_on_acidic_and_alkaline_soil_-_Humintech.png)
https://www.humintech.com/fileadmin/content_images/agriculture/information/what_are_humic_acids/Root_effect_on_acidic_and_alkaline_soil_-_Humintech.png

From a scientific perspective, the 72-minerals contained in Nutri-Mastic™, coupled with minerals found in the other natural ingredients in SupremeAG™, as well as the reported performance on plants being soil-amended and/or mulched with product, one could logically offer the aforementioned as plausible science in support of the efficacy of SupremeAG™.

Diagram E offers further scientific explanation of the effect and synergistic interaction between minerals ("Metal Ion"), "organic groups" (various phytochemicals), "Humic Substance", and natural physical and chemical forces that allow for healthy plant performance:

Diagram E:



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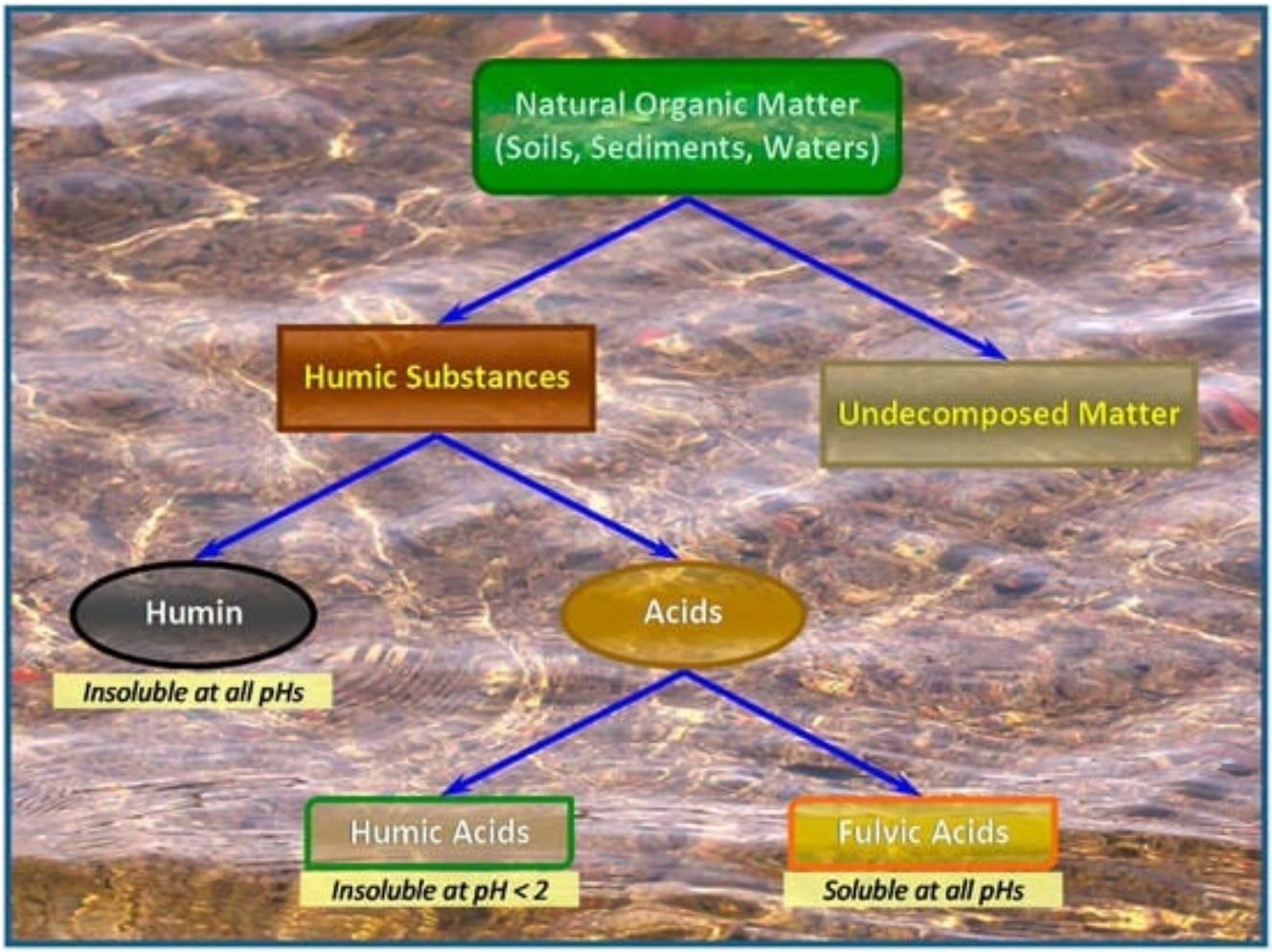
https://www.mdpi.com/agronomy/agronomy-13-02926/article_deploy/html/images/agronomy-13-02926-g002.png

Diagram F: **Based on this diagram of Humic Substance found naturally, it is plausible that SupremeAG™ could increase the concentration of beneficial "Natural Organic Matter",** so as to overcome that which (per Dr. Pettit of Texas A&M) is said to be negatively affected by the application of synthetic acid fertilizers. This is notwithstanding other negative practices or impacts like over-farming, topsoil erosion, climate change, and more.

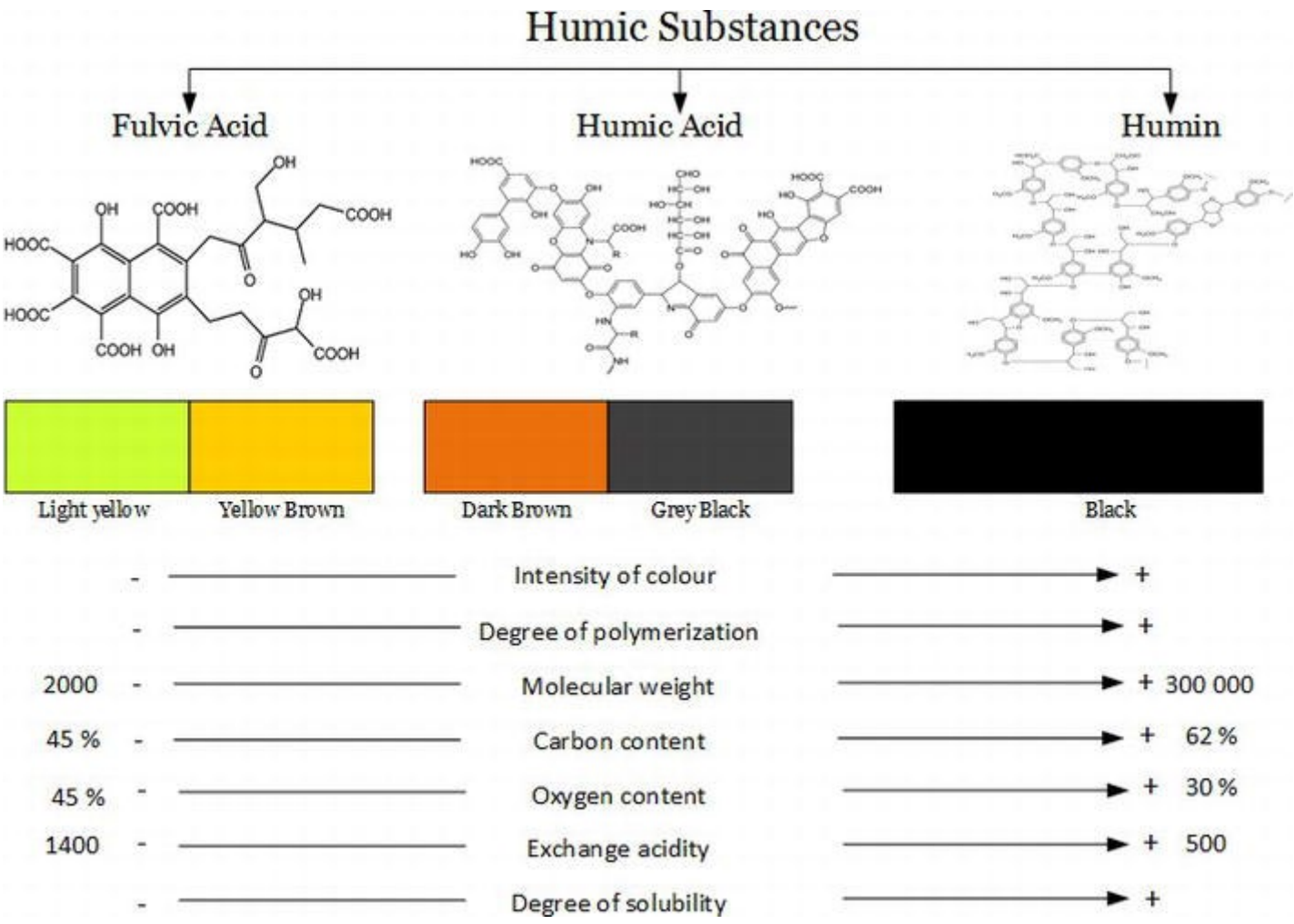


Source: [656eb90300ea2agronomy-13-02926-g001-550.jpg (550×410)]

Of note is the notion that Nutri-Mastic™ is believed to assist in the regulation of gut pH in humans and animals. The IFUS Scientific Team is wondering if a similar beneficial regulation in soil is occurring, which impacts Humic and Fulvic Acids.

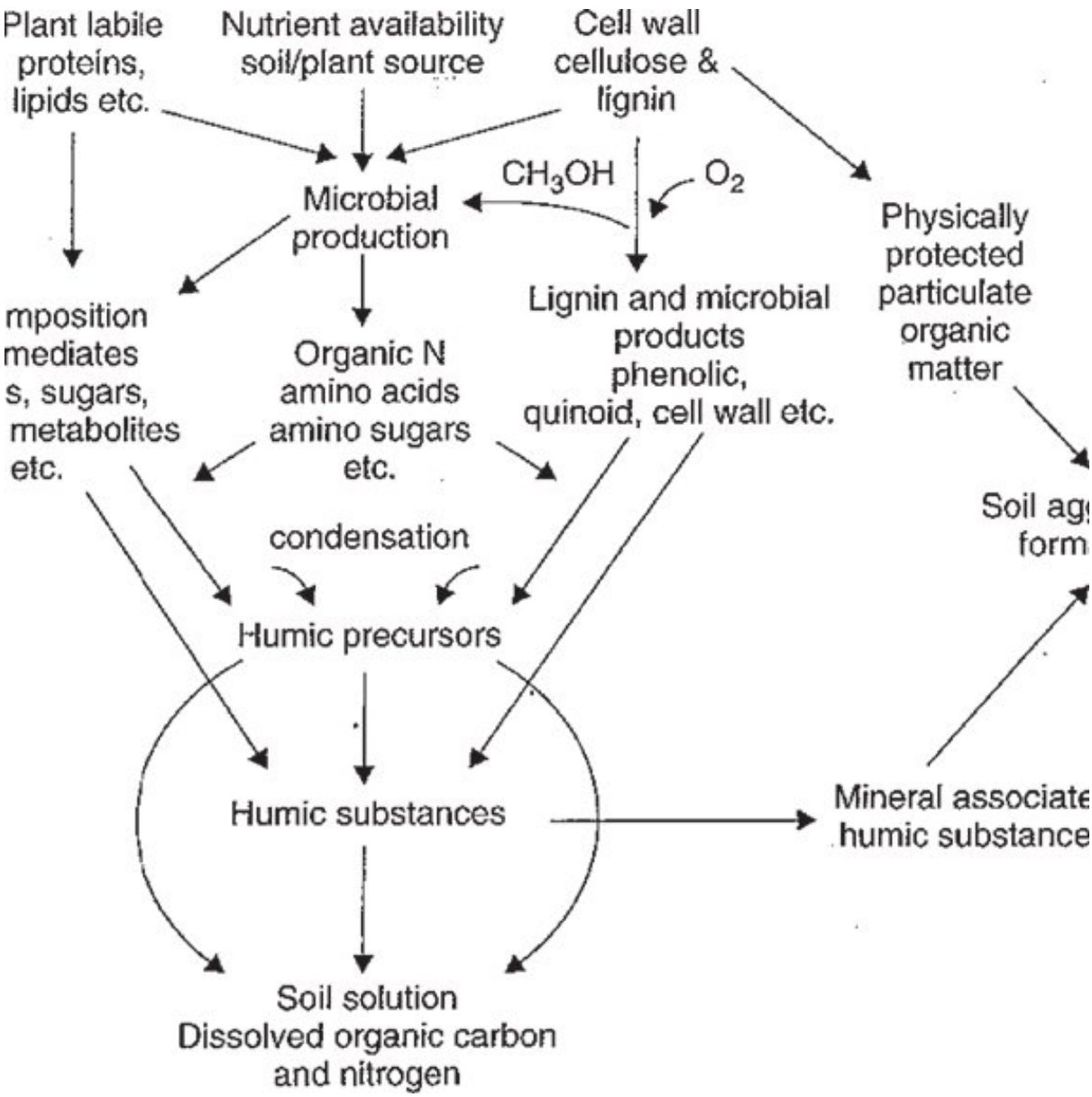
Diagram G: Assuming SupremeAG™ has significant levels of Humic Substance, the diagram below provides guidance for the application of SupremeAG™ (the

product) as a technology that can be reconciled to plant performance outcomes. As an example, the color transformation indicated below can be overlayed to the progression of bagasse from freshly cut Sugarcane (light yellow/tan) to aged SupremeAG™ (black). Hence, the IFUS Scientific Team is delving into a deeper understanding of the nature of Humic Substances in fresh Sugarcane Bagasse as compared to freshly formulated SupremeAG™ (with continued observations made as the SupremeAG™ ages).



Source: Humic Substances: Its Toxicology, Chemistry and Biology Associated with Soil, Plants and Environment, Rajneesh Kumar Gautam, Dimuth Navaratna, Shobha Muthukumaran, Amarendra Singh, Islamuddin and Nandkishor More
Submitted: 19 November 2020 Reviewed: 21 May 2021 Published: 07 June 2021
DOI: 10.5772/intechopen.98518

Diagram H: Finally, we gather a view of the array of critical actions, interactions, and relationships of Humic Substances as it relates to plant performance. **This is but a mere snapshot to offer a glimpse into the complex science and why SupremeAG™ is not only a product, but an evolved technology.**



Source: [Hypothesized-mechanism-for-formation-and-stabilisation-of-humic-substances-in-soil-This_Q640.jpg (572×572)]
https://www.researchgate.net/profile/Peter-Clinton-2/publication/226546194/figure/fig3/AS:870903890055168@1584651076634/Hyp

othesized-mechanism-for-formation-and-stabilisation-of-humic-substances-in-soil-This_Q640.jpg

Lastly, from a nutritive perspective (Diagram I), we find on Forestry.com (https://forestry.com/guides/how-to-grow-blackberries/), an article written by Kristine Moore on March 14, 2024: "How to Grow Blackberries: Easy Steps to Grow and Nurture Your Own"

Diagram 1:

Nutritional Benefits of Blackberries

Benefit	Description
High in Nutrients	Blackberries are rich in vitamins C and K, fiber, and manganese, offering a variety of essential nutrients.
Antioxidant Rich	They are high in antioxidants like anthocyanins, which help combat oxidative stress and may reduce disease risk.
Supports Oral Health	Certain compounds in blackberries have antibacterial and anti-inflammatory properties that may benefit oral health.
Brain Health	The antioxidants in blackberries may improve brain health and help prevent age-related memory loss.
Skin Health	Vitamins C and E in blackberries help promote skin health and can protect skin against UV damage and aging.
Heart Health	The fiber, potassium, and other heart-healthy nutrients in blackberries can support cardiovascular health.
Immune Boosting	High vitamin C content strengthens the immune system and helps the body fight off infections.
Digestive Health	The high fiber content aids in digestion, helps prevent constipation, and contributes to a healthy digestive tract.
Weight Management	Being low in calories and high in fiber, blackberries can promote satiety and aid in weight management.
Anti-inflammatory	Their anti-inflammatory properties can reduce the risk of chronic inflammation, a precursor to many diseases.
Blood Sugar Regulation	Blackberries have a low glycemic index and high fiber content, which can help regulate blood sugar levels.

"Considering our recent World-Wide Press Release regarding the efforts of the Florida Statewide Organization (FSO) of Omega Psi Phi Fraternity, Inc., as well as the working relationship your company has established with SUAREC, I am most

pleased by the continued progress being made by our internal and external IFUS Scientific Teams and their integrated effort to reveal scientific truths. As we continue to add new statistical trials, the data is being transformed into information used to support our on-going marketing and sales efforts. **Scientific truth is an incredible weapon in generating the successful use of our IFUS Product Lines such that these are applied with the very best technical guidance we can muster**. Our efforts involve dedicated professionals who see their work as fulfillment of their respective life's mission, to include nourishing people across the globe with healthy, eco-friendly, and cost-effective solutions. Tackling world-hunger is daunting. Maybe, just maybe, your company will put a dent in it," said Marc Walther, CEO of Impact Fusion International.

We are once more, Back to Work!

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.

About Impact Fusion International Inc.

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The information contained in this release includes some statement that are not purely historical and that are “forward-looking statements.” Such forward-looking statements include, but are not limited to, statements regarding our and their management’s expectations, hopes, beliefs, intentions or strategies regarding the future, including our financial condition, results of operations. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words “anticipates,” “believes,”

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