

Press Release – For Immediate Distribution



## Layn Natural Ingredients Introduces TruGro EQ Feed Additive to Improve Laying Hen Productivity, Egg Quality

**IRVINE, Calif., May 17, 2022** – Layn Natural Ingredients, one of the world’s largest innovators and manufacturers of natural, functional botanical extract ingredients and solutions serving the biggest brands in food, beverage, flavor, nutraceutical, personal care, animals and pets, introduces **TruGro® EQ**, a natural polyphenol-rich botanical extract feed additive scientifically supported to improve productivity, provide health support, and significantly improve egg quality of egg laying hens.

Polyphenol-rich botanical extracts are powerful metabolic antioxidants traditionally used in human and animal nutrition. Now there is a large and growing body of research supporting the use of key polyphenol rich, functional botanical extracts to support increased productivity and improved metabolic performance in laying hens.

TruGro EQ feed additive for laying hens is comprised of a proprietary caffeine-free solution based on green tea extracts rich in polyphenols and catechins ideally suited to extend the productive life of laying hens. Rich in antioxidant catechins, green tea is supported by research showing that the potent activity of these compounds supports the health of laying hens and can influence laying productivity. In a recent study, green tea rich in polyphenols and catechins was fed to laying hens, and researchers demonstrated improved Lay Rate and Feed to Egg Conversion Ratio (FCR)<sup>1</sup> – a significant finding in the context of the present 100-week production cycle of laying hens<sup>2</sup>.

Green tea extracts fed to laying hens have also been shown to improve the internal quality of eggs, including:

- albumen quality
- yolk color
- lipid profile
- and lower oxidation status in yolk measured as Malondialdehyde (MDA)<sup>3</sup>.

Consequently, eggs from green tea fed layers may also possess functional health properties, where additional published papers have reported that green tea extracts were able to reduce total egg cholesterol by 20% when the extracts are fed to layers.<sup>4</sup> This reduction was also notable in low-density lipoproteins (LDL), which was reduced by 34%.

Finally, the antioxidant capacity of tea extracts has been shown to support healthy liver function in layers. Green tea polyphenols and catechins have been shown to interfere with the metabolic pathways that can lead to liver inflammation<sup>5</sup>. Additionally, green tea extracts have been shown to improve lipid profile<sup>6</sup> within the liver and can help reduce fat build-up in layers.

TruGro EQ is a standardized, polyphenol and catechin rich botanical extract feed additive from green tea specially designed for egg producers to address the needs of laying hens. The combined demonstrated benefits make TruGro EQ with natural green tea extracts a serious consideration for incorporation into 100-week laying hen management programs.

For more information on TruGro EQ, please contact [info@layn-usa.com](mailto:info@layn-usa.com) or visit: [www.layncorp.com](http://www.layncorp.com).

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#### **About Layn Natural Ingredients:**

Layn Natural Ingredients is one of the world's largest innovators of natural botanical extract ingredients and solutions serving the biggest brands in food, beverage, flavor, nutraceutical, sports nutrition, personal care, animals and pets for over 25 years. Truly vertically integrated, Layn offers nearly three decades of experience in providing a fully secure, manufacturer-direct, transparent and scalable supply chain. From seeds and agronomy, to extraction and formulation, Layn is committed to quality, innovation and sustainability. Its world-class R&D operation includes more than 2.2 million square feet of state-of-the-art extraction, and global innovation centers throughout the world to conduct research, ensure quality, and provide formulation and application guidance. Layn is also the parent company of wholly owned subsidiary, HempRise, a US-based entity specializing in the direct manufacture and innovation of CBD and hemp extract ingredients. *Botanify* your product portfolio now with Layn Natural Ingredients – Email [botanify@layn-usa.com](mailto:botanify@layn-usa.com), or visit: [www.layncorp.com](http://www.layncorp.com).

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