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Press Release

For Immediate Release

Booth #A855

Biomonitoring®+ to be featured at IPPE:

Innovad Group will highlight its breakthrough approach to mycotoxin management, setting a new standard with this transformative tool

The consistently high prevalence of mycotoxins found in feed surveys and testing data confirms the pervasiveness of these challenges to health and performance. Yet this is only part of the story. Biomonitoring via Innovad's patented blood-testing protocol has conclusively demonstrated that birds and animals must routinely cope with mycotoxin exposure, even when feed tests say a problem doesn't exist. Measurement of the true status of a flock or herd empowers significant improvements in information-based management decisions.

Innovad Group has long recognized the limitations and challenges of basing mycotoxin management programs on feed testing alone. Development and introduction of the Myco-Marker™ blood test for direct, quantitative measurement of a wide range of mycotoxins and metabolites in farm animals provided a major step forward. Now, with over 10,000 on-farm tests completed, the compiled results provide compelling insights for the industry, and the basis for the expanded **Biomonitoring+** program.

The Biomonitoring +® initiative offers six core principles to help guide managers in assessing both risk and response strategies.

- 1) Your animals are exposed – even when feed tests say otherwise. Analyzing raw materials and feed tells only part of the story; it doesn't necessarily reflect intakes, or the movement of toxins from the gut into systemic circulation. Biomarker analysis, on the other hand, captures real exposure inside the body. Across 10,000+ analyses under Biomonitoring+, blood testing proved far more accurate: In 82% of cases, feed analysis failed to detect the mycotoxins later found in the blood. True feed risk shows up in the blood.
- 2) Emerging mycotoxins: the hidden majority. Historically, focus has been limited to regulated or well-known and researched mycotoxins — aflatoxins, deoxynivalenol and a few others. This is reflected in standardized commercial feed-testing packages. But advanced analytical methods have exposed a silent threat: the large presence of emerging mycotoxins, present even more frequently than regulated mycotoxins. They not only appear more often — scientific studies confirm their high toxicity. The Biomonitoring+ Program includes these

emerging mycotoxins in every routine analysis, closing these blind spots in mitigation strategies. In 67% of analyzed farms, emerging mycotoxins were detected — unseen by traditional testing, but exposed by Biomonitoring+.

- 3) Stop reacting to symptoms. Start managing exposure. Mycotoxins don't just affect feed — they affect lives. Insight provided by biomarkers helps to understand the clinical status of the bird or animal. Biomonitoring+ helps connect the dots between exposure and real symptoms to establish trends between them, even before clinical signs appear. It's not just data — it's providing time to act proactively.
- 4) Performance loss starts before symptoms show. Know before it shows. Even without visible symptoms, mycotoxin exposure silently drains productivity. Biomonitoring+ can follow and correlate the impact of mycotoxins to animal performance by comparing key metrics under different exposure scenarios. Thus, the application of Biomonitoring+ Program under real farm conditions can track how mycotoxin reduction in blood correlates with performance improvements.
- 5) Biomonitoring reveals that mycotoxin risk begins before birth. Sometimes, exposure begins even before the first meal. Embryonic/fetal and early-life exposure to mycotoxins through milk, all attributable to maternal exposure, have been correlated with a lower weight and reduced immune response. Through Biomonitoring+, mycotoxins in blood were found in pullets, newborn piglets and calves — before they consumed any feed or milk. That's vertical transfer — and blood is the only way to see it. Biomonitoring+ Program validates vertical transfer risk and its impact on the performance of the next generation.
- 6) Measure what works. Control what matters. Assuming isn't a strategy. Previously, practical direct assessment of the efficacy of mycotoxin remediation strategies was not available to producers. But Biomonitoring+ turns simple measurement into proof. Confirmed toxin levels in blood provide a check on the effectiveness of a particular program or product — or the opportunity to compare them — potentially leading to significant improvements in ROI. Even at low levels, a reduction in the mycotoxin levels in blood brings major gains in productivity. Regular biomarker analysis enables adjustments in mitigation strategy based on direct, quantified measurements.

Innovad Group's technical experts will be on hand at IPPE to discuss these and other mycotoxin-related issues, proven mitigation tools, and the full line of products offered by Innovad, Oligobasics, and Herbonis.

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About Innovad Group: Innovad Group encompasses multiple synergistic entities which offer a diverse range of solutions to meet the evolving needs of the livestock industry. Founded on the

principle of trust, and inspired by nature, Innovad Group is dedicated to promoting animal well-being and enhancing productivity while minimizing environmental impact. By pioneering the use of plant bio-actives and biomonitoring tools, Innovad Group is committed to delivering innovative, science-based solutions and bio-circular ingredients with the aim of reducing the use of medication and chemicals in the animal health world. We have established ourselves as a trusted partner in addressing key challenges related to gut health, immunity, and mycotoxin management. Learn more at www.innovadgroup.com

About Innovad: Innovad is a leading provider of animal nutrition and health solutions, offering a diverse portfolio of innovative and sustainable solutions to the livestock industry. Its patented, innovative Myco-marker® biomonitoring program brings true, unique value to the industry. Innovad services integrators, producers, nutritionists, veterinarians, and feed companies with a focused range of on-farm water-soluble and in-feed solutions. www.innovad-global.com

About Oligobasics: Oligo Basics is a pioneer and market leader in nutritional feed additives in Brazil. Part of the Innovad Group since 2024, the company brings over 22 years of expertise in developing upcycled, plant-based gut health solutions with patented formulations for the livestock industry. Leveraging Innovad Group's global expertise in animal nutrition and health, Oligo Basics combines local knowledge with international innovation to deliver proven, sustainable solutions. www.oligobasics.com.br

About Herbonis: Herbonis, under the brand positioning 'Reading nature,' is dedicated to pioneering plant-based health solutions for the livestock industry. By mastering the entire production chain—from cultivation through formulation, distribution and support —Herbonis ensures the delivery of highly specific, controlled plant molecules designed to enhance animal health and productivity. The Herbonis brand proudly maintains its strong leadership position within the vitamin D niche market with Panbonis, its signature product featuring bioavailable plant ingredients sustainably sourced to support optimal animal well-being.

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