AgroSpectrum ASIA
Envisaging Future | Updating Present

BioWorks targets early-season crop performance with new GreenSpring fertilizer

15 July 2026 | News

The mixed-mineral fertilizer is designed to complement integrated pest management (IPM) programmes by improving nutrient uptake, root architecture and crop resilience during critical early growth stages across horticultural and field crops

Biological crop protection specialist BioWorks Inc. has expanded its plant health portfolio with the launch of GreenSpring, a mixed-mineral liquid fertilizer developed to improve crop establishment, root development and nutrient efficiency during the most critical stages of early plant growth. The product is designed to complement Integrated Pest Management (IPM) programmes by delivering targeted nutrition that strengthens crop resilience while supporting season-long productivity.

Developed for use across field crops, protected cultivation systems and nursery production, GreenSpring combines nitrogen, sulphur, molybdenum and zinc to promote vigorous root initiation and early vegetative growth. By improving nutrient availability during periods of active root development, the formulation aims to enhance crop establishment while increasing tolerance to abiotic stress conditions that often limit early-season performance.

Unlike conventional fertility products that primarily focus on nutrient supplementation, GreenSpring has been formulated to improve nutrient use efficiency by synchronising nutrient delivery with periods of peak physiological activity. The product also supports healthier rhizosphere conditions, encouraging stronger root architecture and improved soil biological activity that contribute to sustained plant vigour throughout the growing season.

The fertilizer is compatible with a broad range of production systems, including open-field agriculture, greenhouses, high tunnels and nursery operations, and is recommended for ornamental, fruit and vegetable crops. BioWorks recommends application at planting or during early vegetative development, with repeated treatments at seven-day intervals to maintain consistent nutrient availability during crop establishment.

According to the company, GreenSpring performs most effectively under conditions that favour active root growth and microbial activity, including adequate soil moisture and moderate temperatures. By improving early-season plant health, the product is expected to increase the effectiveness of integrated crop management programmes while strengthening crop performance under both biotic and abiotic stress. Commenting on the launch, Chris Rose, General Manager, BioWorks, said the product was developed to strengthen crop performance from the earliest stages of growth.

"GreenSpring was developed to help growers establish healthier crops from the very beginning of the season. By improving nutrient availability during critical early growth stages, GreenSpring gives growers an important tool to maximize plant performance and support season-long success." Field evaluations have demonstrated encouraging agronomic benefits across multiple crops. In wine grape trials conducted at three locations, GreenSpring increased yields by an average of 11 per cent. Corn evaluations also recorded yield improvements of approximately 5 bushels per acre over untreated plots. When used alongside BioWorks' RootShield®, containing Trichoderma T-22, yield gains increased to 10 bushels per acre, highlighting the potential synergy between biological crop protection and targeted nutritional management.

The launch reinforces BioWorks' strategy of integrating biological technologies with precision nutrition to help growers improve crop productivity while advancing more sustainable production systems. As growers increasingly seek solutions that optimise inputs without compromising environmental stewardship, products combining plant nutrition with biological performance are expected to play an expanding role in modern crop management.