

42PHI[®]

WITH CELLBURST

Nutrition

Biostimulant



Timing:
Foliar



Nutrient Type:
Macronutrients,
Micronutrients



Formulation:
Liquid



Protect your yield -Add 42PHI with Cellburst at flowering.

42PHI[®] with Cellburst is a novel NPK formulation with key micronutrients designed specifically for application at the reproductive stage (fungicide timing) to aid in flowering, pollination and seed set. 42PHI is Stage 3 in the System of Chemtrition[®].

- Novel formulation, containing Cellburst Technology, designed to be synergistic with fungicide.
- Contains the essential nutrients for maximizing flowering, pollination and seed set
- Designed specifically for each crop - cereal, canola, rhizo (peas and lentils).
- Protects against yield loss

POWERED BY CELLBURST TECHNOLOGY

- Increases abiotic stress tolerance
- Improves pollination and fruit set by increasing pollen tube development
- Helps improve nutrient uptake and utilization by the plant

Proper Nutrition at Flowering = Delivers Genetic Potential

Even if your plants look healthy, hidden stresses may be wreaking havoc on your crop. 42PHI provides the essential nutrients at this peak demand period to increase flowering and pollination while protecting against abiotic threats. When 42PHI is applied with fungicide or alone, the following occurs:

- Aids in plant health and synergy with agrichemistry
- Provides essential nutrients at peak demand period to increase flowering and pollination
- Protects the crop's established yield potential
- Improves overall plant health to help overcome environment and biological stresses.

Improved Overall Plant Health



Check (white area) vs 42PHI Cereal on Wheat (front)

Advanced Maturity



Check (left) vs. 42PHI Rhizo on Soybeans (right)

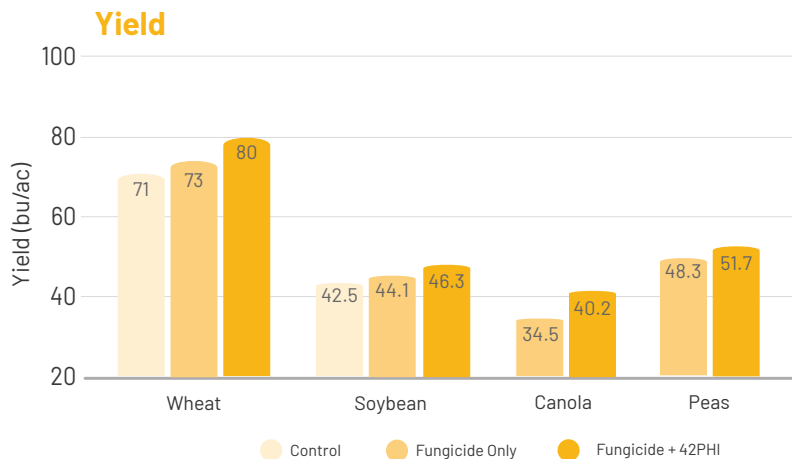
Improved Flowering and Pollination



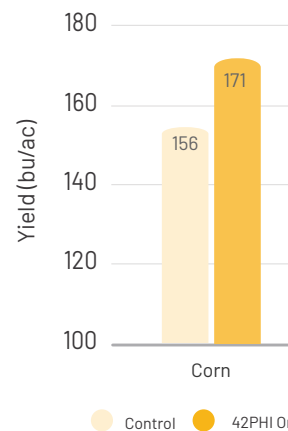
Check (left) vs. 42PHI Rhizo on Chickpeas (right)

Proven Agronomic Performance

- Replicated field trials in wheat, soybean, canola, peas, and corn over 6 years have demonstrated the benefits of supplemental essential nutrition at the reproductive stages. The yield benefits ranged from 3.9-15.0 bu/ac depending on management system used.
- The addition of 42PHI with fungicide improved consistency in performance and enhanced productivity by 3.8 bu/ac in soybeans and 9.0 bu/ac in wheat.
- For soybean crops, an application of fungicide only products a 1.6 bu/ac increase while an application with a fungicide and 42PHI produced a 3.8 bu/ac increase.
- Summary data collected from 6 canola trials, reflect an average yield increase of 5.7 bu/ac when treated with 42PHI.
- To review the complete 42PHI trial data package, please contact your ATP technical expert today.



Yield - Corn



Wheat - Summary of replicated field trials, 42PHI applied 0.5 L/ac at BBCH 39-45.
 Peas - Summary of 8 replicated field trials, 42PHI applied at 10% bloom.
 Soybeans - Summary of 15 replicated field trials, 42PHI applied at R1-R2 growth stage.
 Canola - Summary of 6 replicated field trials, 42PHI applied at 10% flowering.

Corn - Summary of 4 replicated field trials, 42PHI applied at V10-V12 growth stage.

56 replicated field trials in canola, wheat, peas, lentils, soybeans, and corn completed over 6 years have demonstrated the benefits of supplemental essential nutrition. The average increase in yield ranging from 3.9-7.8 bu/ac.

Product Recommendations

- 42PHI can be combined with fungicide.
- Ensure water volume (min. 10 gal/ac) is used for optimum coverage and effectiveness.
- 42PHI can be combined with either the NRG™ or Kinetic™ product line by ATP, if it has been determined that additional nutrients are required.
- To view the 42PHI SDS and product label, visit atpag.com
- To learn more information on product compatibility please visit www.atpag.com/compatibility.

Product	Analysis	Rate (L/ac)	Timing	Form
Cereal	0-16-20-0.3Zn + Cellburst	1.0	Foliar	Liquid
Canola	2-0-15-1.5B + Cellburst	1.0	Foliar	Liquid
Rhizo	0-26-4-5Zn-2Mn + Cellburst	1.0	Foliar	Liquid



Implement the System of Chemtrition in your crop planning and ATP will guarantee a minimum yield increase equal in value to the input cost of the program.



At ATP, we believe a proactive, science-based approach to restore the balance between plant and soil health is the single most effective way to deliver the genetic potential of the crop. We challenge the status quo by utilizing agtech to monitor and drive productivity.

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