

# 42PHI®

## Nutrition



**Timing:**  
Foliar



**Nutrient Type:**  
Macronutrients,  
Micronutrients



**Formulation:**  
Liquid



## Protect your yield - add 42PHI with your fungicide.

42PHI® 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 NutriPhlo 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, soybeans, corn, peas and lentils.
- Protects against yield loss

Contains NutriPhlo Technology

## 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 biotic threats. When 42PHI is applied with Fungicide, the following occurs:

- Aids in plant health and synergy with agrichemistry
- Protects the crop's established yield potential
- Provides essential nutrients at peak demand period to increase flowering and pollination
- 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

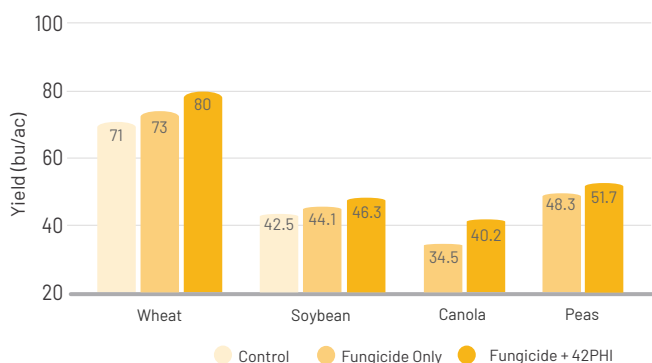


Check (left) vs. 42PHI Rhizo on Chickpeas (right)

## Proven Agronomic Performance

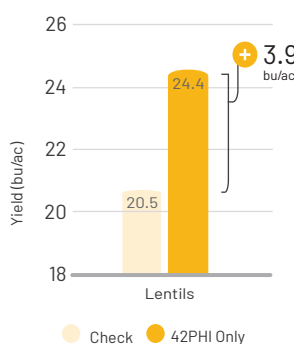
- A total of 56 replicated field trials in Canola, Wheat, Peas, Lentils and Soybeans over 6 years have demonstrated the benefits of supplemental essential nutrition at the reproductive stages. The yield benefits ranged from 3.9-7.8 bu/ac depending on management system used.
- The addition of 42PHI with fungicide improved consistency in performance and enhanced productivity by 4.3 bu/ac in Soybeans and 7.8 bu/ac in Wheat.
- 42PHI Corn applied at V10-V12 growth stage increased productivity by 15.0 bu/ac.
- For pulse crops (peas and lentils), application of 42PHI without a fungicide still showed a 3.9 bu/ac increase for both crops when applied at 10% bloom.
- Summary data collected from 12 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.

### Chemtrition Yield



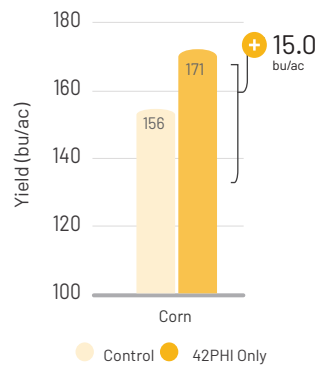
Wheat - Summary of replicated field trials, 42PHI applied 0.5 L/ac at BBCH 39-45.  
 Peas - Summary of 8 replicated field trials, 42PHI applied at 10% bloom.  
 Soybeans - Summary of 15 replicated field trials, 42PHI applied at R1-R2 growth stage.  
 Canola - Summary of 6 replicated field trials, 42PHI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

### Yield



Lentils - Summary of 4 trials, 2015-2017.

### Yield - Corn



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



**56 replicated field trials in canola, wheat, peas, lentils, corn and soybeans completed over 6 years have demonstrated the benefits of supplemental essential nutrition. The average increase in yield ranging from 3.9-15.0 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 Laser™ or Impel™ product line by ATP, if it has been determined that additional nutrients are required.
- To view the 42PHI SDS and Product Label, as well as read more information on product compatibility please visit [www.atpag.com](http://www.atpag.com).

Product	Analysis	Rate (qt/ac)	Timing	Form
Cereal	0-28-19-0.3Zn	0.5-1.0	Foliar	Liquid
Canola	0-22-5-5Ca-2Zn-0.5B	0.5-1.0	Foliar	Liquid
Rhizo	0-36-8-5Zn-3Mn	0.5-1.0	Foliar	Liquid
K Plus	0-21-14-0.3Zn + Cellburst™	0.5-1.0	Foliar	Liquid
Corn	9-15-0-3.5Cu	1.5-2.0	Foliar	Liquid



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.

[info@atpag.com](mailto:info@atpag.com) | 1.877.538.5511 | [www.atpag.com](http://www.atpag.com)