

# 42PHI<sup>®</sup> PLATINUM

## Nutrition



**Timing:**  
Foliar



**Nutrient Type:**  
Macronutrients,  
Micronutrients



**Formulation:**  
Liquid



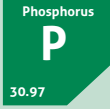

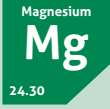

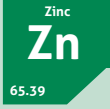



KEY NUTRIENTS  
FOR PEAK DEMAND  
PERIOD

Through the collaborative efforts of the agronomy teams at ATP Nutrition and Richardson Pioneer, a new proprietary plant nutrient product has been developed. 42PHI Platinum is a convenient multi-crop formulation that delivers the essential nutrients to the crop at the reproductive stage (fungicide timing).

42PHI Platinum is a novel NPK plus micronutrient formulation to meet the late season nutritional demands of the crop. Designed specifically for application at fungicide timing (the reproductive stage), 42PHI Platinum provides the essential nutrients at this peak demand period to increase flowering and pollination while protecting against biotic threats. 42PHI Platinum is Stage 3 in the System of Chemtrition. When 42PHI Platinum is added with the fungicide, 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

42PHI Platinum is a novel formulation consisting of a robust macronutrient package, with also high concentrations of Zinc, Boron, and Magnesium. 42PHI Platinum was formulated to focus on the essential nutrients that have most commonly tested low with Richardson's customers. The table below summarizes the role of each of these nutrients in the plant:

Nutrient	Role of Nutrient	Visual Example	Nutrient	Role of Nutrient	Visual Example
 <b>Phosphorus</b> <b>P</b> 30.97	Critical for photosynthesis, ATP production and nutrient transport; early season growth, seed production and advances crop maturity		 <b>Magnesium</b> <b>Mg</b> 24.30	Activator of more enzymes than any other nutrient, plays key role in chlorophyll production, essential for photosynthesis, transport and storage of important plant substances, influences earliness and uniformity of maturity.	
 <b>Zinc</b> <b>Zn</b> 65.39	Critical for hormone production, root development and protein synthesis		 <b>Boron</b> <b>B</b> 10.81	Essential for pollination, cell wall and seed formation; carbohydrate production and sugar movement	

42PHI Platinum's formulation is to meet your late season nutrition demands.



**Heather Durie, Agronomy Manager for Richardson's, notes, "a plants requirements for nutrition increases exponentially during the reproductive phase. When a plant lacks some of the nutrients that are not mobile within the plant such as Boron and Zinc, pollination and seed set can be inhibited which will rob the crop of yield. 42PHI Platinum was designed specifically to help overcome these barriers, while complementing a well balanced soil program."**

- 42PHI can be combined with a fungicide application.
- 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, as well as read more information on product compatibility please visit [www.atpag.com](http://www.atpag.com)

Product	Analysis	Rate (L/ac)	Timing
<b>Platinum</b>	2-20-5-1.0B-0.5Zn-0.5Mg	1.0	Foliar
<b>Cereal</b>	0-28-19-0.3Zn	0.5-1.0	Foliar
<b>Canola</b>	0-22-5-5Ca-2Zn-0.5B	0.5-1.0	Foliar
<b>Rhizo</b>	0-36-8-5Zn-3Mn	0.5-1.0	Foliar
<b>K Plus</b>	0-21-14-0.3Zn + Cellburst™	0.5-1.0	Foliar
<b>Corn *</b>	8-15-0-3.5Cu	1.5-2.0	Foliar
<b>Mg *</b>	3-33-5-4Mg	0.5-1.0	Foliar
<b>Potato *</b>	0-36-8-4Zn-2Mn-0.5B	0.5-1.0	Foliar
<b>Zn *</b>	3-26-4-9Zn + TE	0.5-1.0	Foliar

\* Made to order and available upon request. For inquiries, please contact the ATP order desk.  
TE = Trace elements critical to optimize nutrient use and proper plant growth



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.

To register and to review program details, please go to [www.chemtrition.com](http://www.chemtrition.com).

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