



## How DDP Nutrients help your growers apply micronutrients at the Right TIME

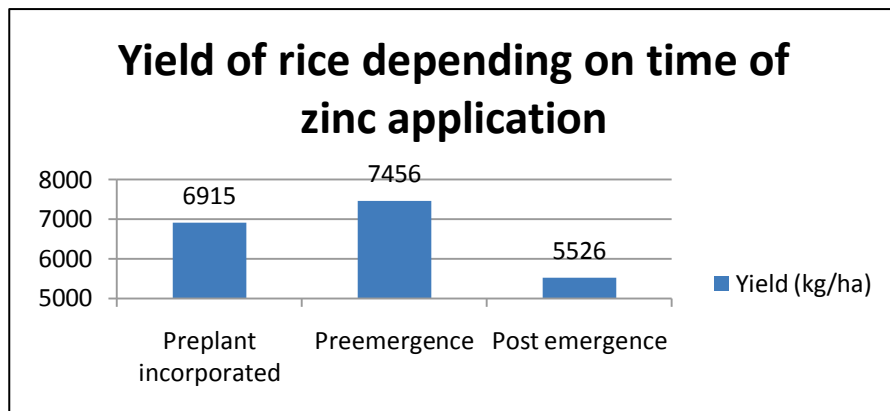
The 4R nutrient system, based on the best management principles of the Right RATE, Right SOURCE, Right TIME and Right PLACE is designed to “help every farmer execute an optimal strategy to preserve his land and create greater yields in an environmentally sensitive manner” (Fertilizer Institute). You can help your customers engage these best use practices by recommending Wolf Trax DDP Nutrients.

Most fertilizer experts agree that the longer a nutrient “hunger” goes on, the greater the risk of yield loss. In many agricultural crops, the primordial head of the reproductive structure, which determines the number of seeds (and therefore yield), is set by the four or five leaf-stage of the plant.

With respect to micronutrients, crop needs can vary. Some high value crops require a programmed approach of multiple and sequential applications, but one thing is always common: regardless of crop, producers are always better to fix micronutrient deficiencies in their crops as quickly as possible.

### Early is important

Research done at the University of Arkansas<sup>1</sup> compared different rates, sources and timings of zinc application for use in rice. Maximum yield was achieved with pre-emergent zinc application. One of their key findings was that yield loss due to deficiency could not be “fixed” with post-emergent zinc applications. Researchers concluded that fertilizer recommendations should reflect the advantages of Zinc fertilization performed before crop emergence.



The above study was performed using zinc, but the basic principles of correcting problems early hold true for all nutrients.

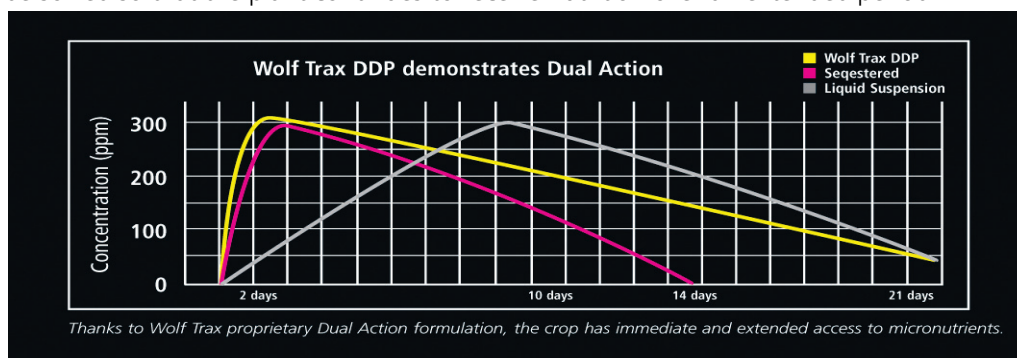
<sup>1</sup> Agronomy Journal 97:272-278 (2005).

(continued)

### Wolf Trax and the Right TIME

Here is why Wolf Trax DDP Nutrients are an excellent recommendation for your growers looking for early uptake, and wishing to manage the right TIME of micronutrient application.

- 1) **The same product can be applied to the soil, or as a foliar application** Because of the innovative dry dispersible powder formulation, DDP Nutrients can be applied to the soil as a fertilizer coating, or applied in-crop as a foliar application. Some choose to use sequential applications of both soil applied and foliar application in a programmed approach. This allows dealers to help producers manage deficiencies with the best timing possible for the specific crop and site need.
- 2) **Dual Action™ Availability** Wolf Trax provides your growers greater flexibility in feeding the crop at the Right TIME, because of the unique and patented Dual Action formulation. Wolf Trax Nutrients are formulated with two active ingredients per nutrient so that an early-available form is present and a more slowly available form is present. With Wolf Trax, micronutrient deficiencies can be solved early and they can be solved so that the plant continues to receive nutrition over an extended period.



- 3) **DDP Nutrients are designed to deliver early uptake** DDP Nutrients are formulated similar to many crop protection products. Particle size and pH are optimized for plant uptake. Some formulants are included to avoid tie-up in the soil, while others are included to enhance foliar contact.
- 4) **DDP Technology is research-proven** Plant uptake has been measured as early as seven days after emergence in fertilizer coating trials, and as early as two days after application in foliar trials. Visit [www.wolftrax.com](http://www.wolftrax.com) for results of over 800 trials.

### A new approach to crop fertility

The Right TIME for micronutrient application is interdependent on the Right PLACE, SOURCE and RATE. Wolf Trax DDP Nutrients provide a solution that allows your growers to more efficiently manage micronutrient application to achieve all of these 4 R's for maximum productivity and sustainability.

**Recommending Wolf Trax DDP Nutrients to your growers gives them one more tool to implement the best management practice of Right TIME, and helps them to make the most of their micronutrient application.**

*You and Wolf Trax....Growing Forward® together.*

For more information on the Wolf Trax DDP family of Innovative Nutrients, please call 204-237-9653 or visit us at [www.wolftrax.com](http://www.wolftrax.com).