

## PHOSPHOROUS ACID LABELING AID

### 1. Does your product contain only phosphorous acid (H<sub>3</sub>PO<sub>3</sub>)/Phosphite as a source of phosphorus?

Adhere to the format presented in § 2309(a).

- i. X% Total phosphoric acid must be guaranteed.

Total Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) \_\_\_\_\_ %

- ii. State phosphate as zero in the grade (N-0-K) or include an asterisk (N-P\*-K) to clarify the phosphorus stated in the grade is not in the available phosphate form.
- iii. Include required statements according to § 2309(a)(1)(2)(3). If an asterisk is used in the grade, an asterisk must be used before each required statement (e.g. “\*(1) Phosphorous acid products...”, “\*(2) Upon foliar...”).

### 2. Does your product contain BOTH phosphorous acid (H<sub>3</sub>PO<sub>3</sub>)/phosphite AND phosphoric acid (H<sub>3</sub>PO<sub>4</sub>)/phosphate?

Adhere to format presented in § 2309(b):

- i. X% Available phosphoric acid must be guaranteed.

Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) \_\_\_\_\_%

- ii. X% Total phosphoric acid must be guaranteed.

\_\_\_\_\_ % Total Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>)

- iii. X% Insoluble phosphoric acid must be guaranteed (**if present**).

\_\_\_\_\_ % Insoluble Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>)

- iv. Report percentage of available phosphate in the grade.

- v. Include heavy metals statement on the label and submit heavy metals analysis.

- vi. Include required statements according to § 2309(a)(1)(2)(3).

#### Required statements [§ 2309(a)(1)(2)(3)]:

(1) Phosphorous acid products are for use as a supplemental fertilizer treatment.

(2) Upon foliar application, the phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or will be used directly by plants, as phosphite ions.

(3) As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In addition, placement close to seeds or root zones may be injurious to crops. The effect may be aggravated by a soil pH below 6.5.

Note: Authority cited: Sections 407, 14502 and 14631, Food and Agricultural Code (FAC). Reference: Section 14631, FAC.