

**2016 Waste-Derived/Micronutrient Fertilizer Registration Questionnaire  
For Washington State Department of Ecology**

**ONE PRODUCT PER PAGE**

DEPARTMENT USE ONLY: WSDA Reg # \_\_\_\_\_

Company Name: \_\_\_\_\_ New  Renewal

Product Name: \_\_\_\_\_ (check box)  
Yes No

1. Does the label guarantee any of the following: total nitrogen (N), available phosphorus (P<sub>2</sub>O<sub>5</sub>), soluble potash (K<sub>2</sub>O), calcium (Ca), magnesium (Mg), sulfur (S)?   (M)

2. Is the fertilizer free of all waste ingredients? (See waste-derived definition on page 2).   (W)

If you checked "yes" to both questions 1 and 2, above, this product does not require an Ecology review. You need to answer the two questions in the "Ecology Information" section of the 4300B form and you are not required to submit this questionnaire.

If you answered "No" to either question above, you must submit applicable test results and answer questions 3-7.

3. Does this product contain less than 1% HOCs (Halogenated Organic Compounds)?

4. Date of: TCLP test \_\_\_\_\_ HOC test \_\_\_\_\_  
\*You must retest if the analysis date is greater than 8 months from the date the application is received by WSDA.

5. Metals Data (ppm). TCLP  TOTALS#  (See TCLP Alternative on pg. 2)

| As | Ba | Cd | Cr | Pb | Hg | Se | Ag |
|----|----|----|----|----|----|----|----|
|    |    |    |    |    |    |    |    |

6. Complete the table below.

| Waste-derived ingredient or micronutrient ingredient <sup>1</sup> | Source <sup>2</sup> | Industry <sup>3</sup> | Country of origin | WSDA Reg # (if applicable) |
|---|---------------------|-----------------------|-------------------|----------------------------|
|   |                     |                       |                   |                            |
|   |                     |                       |                   |                            |
|   |                     |                       |                   |                            |

<sup>1</sup>List only ingredients that are waste-derived or sources of micronutrients as worded on the label.

<sup>2</sup>Source - Where do you purchase the ingredient?

<sup>3</sup>Industry - Where does the ingredient come from? (eg. petroleum refining, mining, food processing, etc).

7. Renewals only: Have all the ingredients and sources of ingredients remained the same since the last approval? Yes No\*

\*If "No", then you must either 1) certify (by checking this box ) that the current lab test results on file at WSDA accurately represent the product, or 2) submit a new lab test.

**I certify that the information provided in this application is correct to the best of my knowledge.**

\_\_\_\_\_  
Print Name Signature Date

For information or questions regarding the required test data or publications listed in this form, please contact: **Thomas Cusack, WA State Dept of Ecology Fax: (360) 407-6715, E-mail: tcus461@ecy.wa.gov.**

**DEPARTMENT USE ONLY**

Maximum Application Rate and other Comments.

## INSTRUCTIONS

**For New Product Registrations** you must include:

- TCLP Test (**using Method 1311**) for arsenic (As), barium (Ba), cadmium (Cd), chromium (Cr), lead (Pb), mercury (Hg), selenium (Se), and silver (Ag). (NOTE: totals may be accepted for products made of only organic ingredients originating from the United States. See #TCLP Alternative below for details.)
- HOC Test (**using EPA Method 9023, Method 9020b or Method 9076**) or the signed statement (page1) for this product. The HOC test may be required at the discretion of the Department of Ecology.
  - **HOC (Halogenated Organic Compound)** is any organic compound that includes one or more atoms of chlorine fluoride, bromine or iodine bonded directly to a carbon atom.

**For renewal of your existing registration** you must include:

- A completed current Ecology Questionnaire, and
- Any testing required by the most current Ecology Approval Memo for this product.
  - If the Ecology approval memo requires an HOC test (see HOC definition, above), you may have the option of submitting the signed certification at the bottom of the first page in lieu of submitting HOC test results if the product contains less than 1% HOCs.

## DEFINITIONS

**Micronutrient Fertilizer** – a produced or imported commercial fertilizer that contains commercially valuable concentrations of micronutrients but does not contain commercially valuable concentrations of nitrogen, phosphoric acid (phosphate), available phosphorus, potash, calcium, magnesium, or sulfur.

**Waste-Derived Fertilizer** - a commercial fertilizer that is derived in whole or in part from solid waste as defined in chapter [70.95](#) or [70.105](#) RCW, or rules adopted thereunder, but does not include fertilizers derived from biosolids or biosolids products regulated under chapter [70.95J](#) RCW or wastewaters regulated under chapter [90.48](#) RCW.

### #TCLP ALTERNATIVE

In lieu of a TCLP (Toxicity Characteristic Leaching Procedure) test, the total metal levels may be accepted for products containing only organic ingredients when all of the product and/or ingredients in the product originate within the USA. This means the submitted lab test will need to include the total metal levels for barium (Ba), chromium (Cr), and silver (Ag) in addition to the nine metals required by the Washington State Department of Agriculture (WSDA). However, it should be clear that after review, if totals were submitted, TCLP test results may still be required at the discretion of the Department of Ecology. For a listing of the acceptable laboratory methods to determine total metals, please see the Fertilizer Registration Guidance Document available at: <http://agr.wa.gov/PestFert/Fertilizers/docs/FertRegGuidDoc.pdf>.

### OTHER TCLP INFORMATION

1. TCLP/total metal and HOC tests must be conducted within 8 months of submission to WSDA.
2. For renewals, the TCLP/total metal and HOC test results must be conducted at least two years after the original laboratory report that was prepared for the new product registration.
3. The reportable limits on laboratory reports must be less than the TCLP Regulatory Limits shown below.

| TCLP metal | TCLP Regulatory Limit (ppm) | Recommended TCLP Reportable Limit (ppm) |
|------------|-----------------------------|---|
| Arsenic    | 5                           | 1                                       |
| Barium     | 100                         | 50                                      |
| Cadmium    | 1                           | 0.1                                     |
| Chromium   | 5                           | 1                                       |
| Lead       | 5                           | 1                                       |
| Mercury    | 0.2                         | 0.01                                    |
| Selenium   | 1                           | 0.1                                     |
| Silver     | 5                           | 1                                       |