

Instructions for Mixing 9.46L (2.5gal) BiOWiSH® Crop Liquid and BiOWiSH® Crop Liquid Green Choice Jugs

Introduction

This technical bulletin describes the process for mixing 9.46L (2.5gal) jugs of BiOWiSH® Crop Liquid or BiOWiSH® Crop Liquid Green Choice.

Equipment Needed

- 9.46L (2.5gal) plastic jug of BiOWiSH® Crop Liquid or BiOWiSH® Crop Liquid Green Choice.
- Two inch diameter (50.8mm) pitched propeller blade mounted on an 18in (457mm) long x ¼in (6.4mm) diameter stainless steel shaft (Fig. 1).
- Variable speed electric mixer capable of mixing at 1500rpm. Note, a hand held electric drill, such as the Craftsman 5.5-amp model shown below (Fig. 4), can be used as long as it is able to achieve 1500rpm.
- Mixing stand if using a standard overhead mixer (Fig. 2 and 3), otherwise, a hand-held mixer can be used. (Note caution in step 3, below.)



Figure 1



Figure 2



Figure 3



Figure 4

Procedure

1. Clean all equipment prior to use.
2. Ensure the cap on the jug is tightly closed then invert the jug five times.
3. Remove the cap, insert the mixing blade into the jug and position it approximately one inch (25.4mm) from the bottom and away from the sides of the jug. **NOTE: Do not allow mixing blade to contact the sides of the jug during mixing as this may compromise the integrity of the jug wall.**



Figure 5

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4. Mount the electric mixer onto the mixing stand. If using a hand-held mixer (drill) avoid contacting the bottom and sides of the jug during mixing.
5. With the mixer motor turned off and disconnected from electrical input, attach the free end of the shaft to the mixer. Ensure mixing blade is approximately one inch (25.4mm) above the bottom of the jug and away from any of the side walls.
6. Connect mixer to electrical input and turn mixer on. Mix contents of the jug at 1500rpm for six minutes. **Note: DO NOT REMOVE MIXING BLADE FROM JUG WHILE MIXER MOTOR IS ON AS INJURY MAY RESULT.**
7. Turn off the mixer and disconnect from the electrical input. Remove the shaft from the mixer and withdraw the mixing blade.
8. The jug is now ready for use. If the jug sits for approximately one hour or more between mixing, it should be re-mixed for another two minutes using the above protocol.

Storage

Store in a cool, dry location out of direct sunlight. Storage above 40°C (140°F) and below 4°C (39°F) for an extended period is not recommended. Once opened, keep in an airtight container to maintain the integrity of the product. Prevent spillage and separate from strong oxidizers.

Technical Support

Refer to BiOWiSH's technical bulletins at biowishtechnologies.com/resources for application instructions for coating solid fertilizers or mixing with liquid fertilizers. For additional information, please contact a BiOWiSH distributor near you, email agronomy@biowishtech.com, or visit our website biowishtech.com.