

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

Making and applying foliar fertiliser and pesticide solutions

DOI:10.17504/protocols.io.bbswinfe

Type: Protocol

Proper Citation

Matema Imakumbili 2020. Making and applying foliar fertiliser and pesticide solutions. protocols.io dx.doi.org/10.17504/protocols.io.bbswinfe

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bbswinfe>

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Summary: This protocol describes how foliar and pesticide solutions can be made and applied to growing crops. Foliar solutions (foliar fertilisers) can be either made using water soluble fertilisers (e.g. urea), inorganic salts (e.g. KCl, K₂SO₄) or by using readymade manufactured concentrated foliar solutions that could be in the form of chelated compounds of metallic ions. Their application rates are often simply stated as a percentage of the nutrient to be applied in solution form e.g. a 1 - 2% Zn foliar fertiliser solution. This protocol describes how to determine the amount of chemical material needed to make a specified concentration of a foliar solution mixture using various sources. Although not always stated, except on manufactured foliar solutions, foliar fertilisers should be ideally applied over a specified area to ensure that plants receive a sufficient volume of foliar solution. This protocol thus also describes how to make a foliar solution taking into consideration the area over which they shall be applied. Like readymade manufactured foliar solutions, pesticides also have instructions on how to make and apply their solutions over a specified area. How pesticide solutions should be made and applied according to specified instructions will hence also be shown. Instructions for making foliar and pesticide solutions can be a little tricky to follow if you are not accustomed to the technical language. This protocol has been designed to give people some help with this.

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Version: 1

Publication Date: 2020

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Record Creation Time: 20210329T220537+0000

Record Last Update: 20210329T221039+0000

Data and Source Information

Source: