



This is a voluntary program managed by the California Department of Food and Agriculture (CDFA) and funded by the United States Department of Agriculture (USDA) through the Farm Bill.

The goal is to reduce the risk of introducing soil-borne plant pathogens into nursery operations and managed wildland landscapes through a systems approach to nursery stock production.

Questions?

If you would like a copy of our BMP manual or have any questions regarding participation please direct questions to:

Kristina Weber
Senior Environmental
Scientist

**CDFA, Nursery, Seed &
Cotton Program**

kristina.weber@cdfa.ca.gov
(916) 995-1243

1220 N Street
Sacramento CA 95814

NORS-DUC & CDFA

Best Management Practices for Nurseries



Raised benches can help prevent dispersal of pathogens from the ground

Start Clean, Stay Clean!



**DOMINICAN
UNIVERSITY**
of CALIFORNIA
1890
NATIONAL ORNAMENTAL
RESEARCH SITE
NORS-DUC



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Reducing the Risk of Introducing Soil-Borne Plant Pathogens into Horticultural Nurseries & Managed Wildland Landscapes

How do I Participate?

- Request a preliminary questionnaire by emailing Kristina.Weber@cdfa.ca.gov
- Email completed preliminary questionnaire back to CDFA and request an initial site visit to assess nursery practices.
- During the site visit, CDFA will assess the nursery Critical Control Points (CCP) and determine which BMPs are currently in place and offer recommendations.
- After the site visit, CDFA will advise you while you create your BMP manual.
- CDFA will perform follow-up site visits to help you continue to improve your nursery practices.

All free of charge!

How do BMPs Benefit Nurseries?

- Increases production of better nursery stock.
- Reduces pest risk in outgoing nursery stock.
- Reduces crop failure.
- Provides access to expert advice from CDFA scientists.
- Become an ambassador for the nursery industry.
- Why prepare a written manual?
 - Gives customers confidence in your product.
 - Provides training material for employees.



Selected BMPs

BMP 18

Avoid or minimize accumulation of standing surface water in planting beds and roads.

Rationale: *Phytophthora* can be transmitted via water and the zoospores can swim from pot to pot. The pathogen may potentially enter through the roots or by splashing onto leaf surfaces. Standing water puddles in the nursery provide optimum conditions for *Phytophthora* to thrive.



BMP 36

All visitors and employees must have clean footwear before entering the nursery



Rationale: Soil carried on footwear can harbor pathogens and be introduced into the production beds. Utilize signage to educate visitors on sanitation practices employed by the nursery.