Oregon Boxwood Blight Cleanliness Program: Systems Audit Checklist

Nursery: **Date:**

I. RECORD KEEPING (all following are required)		**YES**	**NO**	**COMMENTS**
Two years of records for the following were observed during this portion of the audit.				
A	Incoming host material (dates, cultivars, quantities, sources)			
B	Shipping records (dates, cultivars, quantities, destinations)			
C	Map of host production areas and quarantine location			
D	Pesticide applications (dates, locations, cultivars, chemistry)			
E	Inspection records for each production area (scouting should be monthly per area)			
F	Weekly inspection/scouting records for host plant buy-ins that are in quarantine			
G	Personnel training (dates, attendees, program)*			

*NOTE: all staff taking cuttings must be trained in identifying boxwood blight symptoms and listed in the training document

	II. HOST PLANT BUY-INS (all following BMPs are required)	**YES**	**NO**	**COMMENTS**
	If the nursery does not purchase any boxwood, skip this section			
1	Purchase buy-ins from nurseries that have been inspected and found to be free of boxwood blight **OR** from nurseries in a boxwood blight cleanliness program			
2	Have trucks deliver buy-ins directly to the isolation area **OR** clean the loading dock of all debris after unloading			

3	Confirm they have notified the ODA of buy-ins in the last year: (dates, cultivars, quantities, sources)				
4	Report any symptomatic plants to the ODA for sampling within 24 hours of observation				
5	Isolate* buy-ins for a minimum of 45 days according to the following requirements:				Visit isolation area/s during inspection
	A	Buy-ins are separated from all other host plants by a physical barrier, 10ft buffer, or other ODA approved method			
	B	Newly received plants obtained from different vendors are labelled and separated			
	C	No fungicides are applied for the duration of the isolation to allow for disease expression			
	D	Isolation area surface is impermeable and sanitized before newly received plants are placed (bare soil and gravel are not approved options)			
	E	Plants are inspected weekly for symptoms			
	F	Runoff from the isolation area is prevented from going into potting media or host production areas			
	G	Notify ODA of 45 day release date to allow for a final inspection by Nursery Inspector			

*Plants in isolation can still be re-potted, etc., they just need to stay in the isolated area.

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III. PROPAGATION (all are required)		**YES**	**NO**	**COMMENTS**
A	Staff collecting propagative material have been officially trained in recognizing BWB symptoms			What types of training?
B	Propagative field is scouted for boxwood blight before taking cuttings			
C	Propagative material is collected from apparently healthy, vigorous plants			

D	Cuttings are sanitized before they are transferred to soil/media			What technique?
E	Tools and surfaces (benches, etc.) used in propagation are sanitized frequently			How often?
F	While rooting, plants are located on a surface that is disinfected between placements (not native soil or gravel)			
G	Propagated material is thoroughly inspected for disease symptoms before transplanting			

IV. BOXWOOD BLIGHT DETECTIONS (<u>all</u> are required)

		DISCUSSED	**COMMENTS**
A	Immediately notify ODA if symptomatic plants are discovered to collect samples for lab testing		
B	Pause sales from that production area until lab results have been returned		
C	Confirmed BWB plants and all those in a 10 ft. radius of positive plants are destroyed		
D	Diseased plants are burned, placed in deep burial (no composting), or disposed of at landfill		- Talk about methods for reducing leaf shatter in this process - Visit destruction areas during inspection (burn pile, burial site)
E	Plants within a 30 ft. radius of destruction zone are not sprayed with fungicides for 2 months to allow development of symptoms (do not move plants in that zone during this period)		
F	Plants in the 30 ft. radius of the destruction zone are inspected weekly for two months to monitor any symptom development, then released by an ODA Nursery Inspector for movement and sale		
G	Sanitize destruction zone (remove all host plant debris; sanitize tools and machinery; ensure good drainage)		

H	Trace back to source of infection, if possible		
I	Trace forward to contact buyers who may have purchased plants near the destruction zone		

Recommended: avoid planting BWB hosts in the area for 5 years to disinfest soil of the pathogen

Oregon Boxwood Blight Cleanliness Program Audit: Area Inspections

LOCATION: (circle one:) PROP HOUSE HOOP/GRN HOUSE CONTAINER YRD FIELD

	SANITATION (2 BMPs are required)	**YES**	**NO**	**COMMENTS**
1	Host plant debris is regularly removed			
2	Tools and equipment are sanitized between host areas			
3	Plants are not trimmed when they are wet			
4	Plants are not touching each other			

	WATER MANAGEMENT (2 BMPs are required)	**YES**	**NO**	**COMMENTS**
1	No overhead watering is used			
2	Watering is conducted to allow leaves to dry by nightfall			
3	Drainage is sufficient so that there is no standing water			

Additionally, the following are **both** required if applicable:

	YES	**NO**	
Pots/trays are either new **OR** sanitized			
Soil/potting media is either new **OR** sanitized			

LOCATION: (circle one:) PROP HOUSE HOOP/GRN HOUSE CONTAINER YRD FIELD

	SANITATION (2 BMPs are required)	**YES**	**NO**	**COMMENTS**
1	Host plant debris is regularly removed			
2	Tools and equipment are sanitized between host areas			
3	Plants are not trimmed when they are wet			
4	Plants are not touching each other			

	WATER MANAGEMENT (2 BMPs are required)	**YES**	**NO**	**COMMENTS**
1	No overhead watering is used			
2	Watering is conducted to allow leaves to dry by nightfall			
3	Plant debris is removed from areas of water runoff			
4	No standing water in production area			

Additionally, the following are **both** required if applicable:

	YES	**NO**	
Pots/trays are either new **OR** sanitized			
Soil/potting media is either new **OR** sanitized			