

Results from SEPAC Coldhouse Demonstration 2003

Cold Tolerant Vegetable Crops

Germination and Stand Establishment

Asian Greens	Excellent under all conditions
Mixed Lettuce	Excellent under all conditions
Pac Choi	Excellent except under heavy bark
Cauliflower	Excellent except under heavy bark
Cabbage	Excellent except in very wet soils
Kale	Excellent except in very wet soils
Collards	Excellent except in very wet soils
Buttercrunch	Excellent except in very wet soils
Snap peas	Extreme variation for undetermined reason
Snow peas	Extreme variation for undetermined reason
Arugula	Good under most conditions
Broccoli	Good under most conditions

Need special treatment and especially more heat to germinate

Spinach	Poor under cold wet conditions
Swiss Chard	Very poor until soils were drier and warmer
Iceberg Lettuce	Very poor, need to be transplanted
Brussell Sprouts	Very poor, need to be transplanted

Comparison of media used to cover seeds on wet soils

Dry Field Soil was adequate in most cases for quick germ crops

Potting Soil was variable in its results

Bark Mulch was a problem for several crops and is not recommended.

SEPAC Coldhouse Demonstrations

East House with One Week Planting Intervals Percent Stand

	OCT. 15	OCT. 22	OCT. 29	NOV. 7	NOV. 12	NOV. 19	NOV. 24	DEC. 1	
Buttercrunch & Spinach	50%	60%	100%	100%	100%	100%	100%	100%	
	40%	0%	5%	20%	80%	80%	100%	40%	
Swiss Chard	2%	5%	5%	5%	50%	75%	30%	0%	South End
Mixed Lettuce	100%	100%	100%	100%	100%	100%	100%	100%	
Asian Greens	100%	100%	100%	100%	100%	100%	100%	100%	
<i>Covering:</i>	<i>Field Soil</i>	<i>Field Soil</i>	<i>Potting Soil</i>	<i>Bark</i>	<i>Bark</i> <i>1 row Arugula</i>	<i>Bark</i> 80%	<i>Potting Soil</i> 80%	<i>Field Soil</i> 80%	

SEPAC Coldhouse Demonstrations

West House with Two Week Planting Intervals Percent Stand

	Planted:		Harvested:					
	OCT. 15	Dec. 3	OCT. 29	Jan. 6	NOV. 12	NOV. 24		
Cabbage	60%	<i>Field Soil</i>	100%	<i>Field Soil</i>	100%	<i>Field Soil</i>	100%	<i>Field Soil</i>
Kale	60%		100%		100%		100%	
Collards	60%		100%		100%		100%	
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Brus. Sprouts	0%		2%		2%		5%	
Broccoli	<i>unseeded</i>		100%		90%		100%	
Cauliflower	<i>unseeded</i>	<i>Field Soil</i>	100%	<i>Potting Soil</i>	5%	<i>Bark</i>	100%	<i>Field Soil</i>
Snap peas		<i>Field Soil</i>	10%	<i>Field Soil</i>	100%	<i>Bark</i>	50%	<i>Field Soil</i>
Snow peas	100%		5%		100%		40%	
	100%		50%		100%		100%	
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Pac Choi	100%		100%		0%		90%	<i>Potting Soil</i>
Iceburg	2%		0%		30%		20%	<i>Potting Soil</i>
		<i>Field Soil</i>		<i>Field Soil</i>		<i>Bark</i>	5%	<i>Field Soil</i>

South
End