

Seed Germination and Purity Analysis 2025

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A total of 303 vegetable, crop, and pasture seed samples were collected by inspectors from the Bureau of Regulatory Services of the Connecticut Department of Agriculture for testing in 2025. As an official seed testing laboratory, The Connecticut Agricultural Experiment Station performed germination and purity analyses of the seed samples for compliance with the Connecticut Seed Law Regulations and the Federal Seed Act. Seed tests and analyses were conducted by following the Association of Official Seed Analysts Rules for Testing Seeds.

Among 297 vegetable seed samples, only 290 samples were tested for seed germination rates because six samples did not have enough seeds for the test and another sample was submitted in error (Table 1). Among the 290 tested samples, two hundred and seventy samples passed the standard germination test, but the other 20 samples did not meet their label claims and the Federal standard (Table 1). Summarized by seed sources, all tested samples from the Burpee Garden Products Co. and La Semiorto Sementi passed the standard germination test, but one or more samples from the other five companies failed the test (Table 2). Among 51 vegetable species tested, all samples in 37 species passed the standard germination test; but one or more samples failed the test in the other 14 species (Table 3). Poor germination rates were found in New Zealand spinach and parsnip samples (Table 3). Seed samples were examined for prohibited noxious weed seeds, but no noxious weed contaminants were found in the tested samples.

A total of six crop and pasture seed samples were received and tested for purity and germination rates. Because some mixed seed samples were labeled with several varieties within a species or several species within the genus, purity and germination rates were tested in the combination of a genus and reported as the sums for the purity test and means for the germination test. The test result showed that three samples, Touch-up Tri-rye, Rye, and P. S. 2000 Brand Timothy, passed both purity and germination tests, but one or two ingredients in each of the other three samples failed the label claim for germination rate or purity test (Table 4).

Official seed samples were collected by Kate Nelson and Matthew Snurkowski at the Connecticut Department of Agriculture. The Seed Law is administered by the Seed Control Official for the Commissioner of the Department of Agriculture.

Table 1. Results of germination rates of vegetable seed samples in comparison to the label claims.

Plant	Cultivar	Seed Company	Germination (%)	
			Claimed	Found ^a
Anise	N/A	The Chas. C. Hart Seed Co.	50	75
Anise Hyssop	Agastache Foeniculum (non-GMO)	New England Seed Co.	50	N/A****
Asparagus	Mary Washington (non-GMO)	New England Seed Co.	70	96
Basil	Spicy Globe	The Chas. C. Hart Seed Co.	70	80
Basil	Purple	The Chas. C. Hart Seed Co.	70	84
Basil	Italian Large Leaf	New England Seed Co.	70	92
Basil	Lettuce Leaved	New England Seed Co.	70	90
Basil	Lemon	New England Seed Co.	75	91
Basil	Compact	Green Garden Products	70	92
Basil	Spicy Globe	Green Garden Products	70	82
Bean	Bush Blue Lake	New England Seed Co.	75	88
Bean	Jade	New England Seed Co.	75	72***
Bean	Royal Burgundy	New England Seed Co.	75	97
Bean	Tendergreen	New England Seed Co.	75	96
Bean	Roma II	New England Seed Co.	75	93
Bean Runner	Scarlet Emperor (non-GMO)	New England Seed Co.	75	25*
Bean	State Half Runner (non-GMO)	New England Seed Co.	75	97
Bean Bush Lima	Jackson Wonder Butterbean (non-GMO)	New England Seed Co.	70	91
Bean Pole Lima	King of the Garden (non-GMO)	New England Seed Co.	70	6*
Bean	Pinto (non-GMO)	New England Seed Co.	75	92
Bean (Garden)	Tenderette	Burpee Garden Products Co.	75	N/A**
Beet	Bull's Blood	The Chas. C. Hart Seed Co.	65	78
Beet	Detroit Golden	The Chas. C. Hart Seed Co.	65	82
Beet	Chiogga	The Chas. C. Hart Seed Co.	65	92
Beet	Gourmet Blend	The Chas. C. Hart Seed Co.	65	84
Beet	Red Ace	The Chas. C. Hart Seed Co.	65	94
Beet	Early Wonder Tall Top	New England Seed Co.	65	80
Beet	Detroit Dark Red	New England Seed Co.	65	92
Beet	Chiogga (Org)	New England Seed Co.	65	37*
Beet	Detroit Dark Red (Org)	Botanical Interests, INC.	65	68
Beet	Chioggia (non-GMO)	Livingston - Green Garden Products	65	80
Beet	Ruby Queen (non-GMO)	Livingston - Green Garden Products	65	54*
Beet	Detroit Dark Red, Medium Top	Burpee Garden Products Co.	65	85
Beet	Detroit Dark Red, Medium Top (Org)	Burpee Garden Products Co.	65	89
Beet	Early Wonder Tall Top	Green Garden Products	65	80
Broccoli	Green Sprouting Calabrese	The Chas. C. Hart Seed Co.	75	96
Broccoli	Romanesco	The Chas. C. Hart Seed Co.	75	88
Broccoli	Waltham 29	New England Seed Co.	75	96
Broccoli	Waltham 29 (Org)	New England Seed Co.	75	55*
Broccoli	Di Cicco (Org)	Botanical Interests, INC.	75	93

Broccoli	Green Sprouting Calabrese (non-GMO)	Livingston – Green Garden Products	75	94
Broccoli	Sun King Hybrid	Burpee Garden Products Co.	75	98
Broccoli	Waltham 29	Burpee Garden Products Co.	75	96
Broccoli	De Cicco (Org)	Burpee Garden Products Co.	75	77
Broccoli Raab	Fall Raab	The Chas. C. Hart Seed Co.	75	15*
Broccoli Raab	DeRapa (Spring Raab)	The Chas. C. Hart Seed Co.	75	75
Broccoli Raab	Raab Early Pugliesi	New England Seed Co.	75	78
Brussels Sprouts	Long Island Improved	The Chas. C. Hart Seed Co.	70	99
Brussels Sprouts	Long Island Improved	New England Seed Co.	70	94
Brussels Sprouts	Long Island Improved (non-GMO)	New England Seed Co.	70	93
Brussels Sprouts	Long Island Improved	Botanical Interests, INC.	70	99
Cabbage	Red Acre	The Chas. C. Hart Seed Co.	75	99
Cabbage	Early Jersey Wakefield	The Chas. C. Hart Seed Co.	75	82
Cabbage	Danish Ball Head	The Chas. C. Hart Seed Co.	75	37*
Cabbage	Copenhagen	The Chas. C. Hart Seed Co.	75	87
Cabbage	Golden Acre	New England Seed Co.	75	99
Cabbage	Perfection	New England Seed Co.	75	97
Cabbage	Premium Flat Dutch Lake (non-GMO)	Livingston – Green Garden Products	75	98
Cabbage	All Seasons (Org)	Burpee Garden Products Co.	75	99
Cabbage	Copenhagen Market Early	Green Garden Products	75	44*
Melon	Delicious 51	The Chas. C. Hart Seed Co.	75	89
Melon	Hales Best Jumbo (non-GMO)	New England Seed Co.	75	100
Melon	Edisto 47 (non-GMO)	New England Seed Co.	75	80
Carrot	Little Finger	The Chas. C. Hart Seed Co.	55	57
Carrot	Little Finger	New England Seed Co.	55	90
Carrot	Danvers 126 (Org)	Botanical Interests, INC.	55	85
Carrot	Scarlet Nantes (Org)	Botanical Interests, INC.	55	92
Carrot	Imperator (non-GMO)	Livingston - Green Garden Products	55	94
Carrot	Danvers Half Long (non-GMO)	Livingston - Green Garden Products	55	71
Carrot	Little Finger (non-GMO)	Livingston - Green Garden Products	55	64
Carrot	Nantes (non-GMO)	Livingston - Green Garden Products	55	78
Carrot	Danvers 126	Burpee Garden Products Co.	55	82
Carrot	Nantes Supreme	Burpee Garden Products Co.	55	91
Carrot	Nantes Half Long	Burpee Garden Products Co.	55	91
Carrot	Nantes Hald Long (Org)	Burpee Garden Products Co.	55	92
Carrot	Scarlet Nantes	Green Garden Products	55	79
Cauliflower	Early Snowball	The Chas. C. Hart Seed Co.	75	90
Cauliflower	Early Snowball	New England Seed Co.	75	90
Cauliflower	Early Snowball (non-GMO)	New England Seed Co.	75	90
Cauliflower	Snowball Y (Org)	Botanical Interests, INC.	75	91
Cauliflower	Snowball Early (non-GMO)	Livingston - Green Garden Products	75	91
Cauliflower	Snowball Y	Burpee Garden Products Co.	75	94
Cauliflower	Snowball Y (Org)	Burpee Garden Products Co.	75	91
Cauliflower	Snowball X	Green Garden Products	75	93

Celery	Tall Utah	New England Seed Co.	55	69
Celery	Tall Utah (non-GMO)	New England Seed Co.	55	70
Celery	Tall Utah (non-GMO)	Livingston - Green Garden Products	55	38*
Celery	Tall Utah 52-70R Improved	Burpee Garden Products Co.	55	79
Chervil	N/A (non-GMO)	New England Seed Co.	65	96
Chicory	Red Radicchio	The Chas. C. Hart Seed Co.	65	94
Chicory	Red Verona Radicchio (non-GMO)	New England Seed Co.	65	83
Chicory	Catalogna	New England Seed Co.	65	84
Chives	N/A	The Chas. C. Hart Seed Co.	50	81
Cilantro	Coriander	New England Seed Co.	70	88
Cilantro	Moroccan	Botanical Interests, INC.	70	98
Collards	Georgia Sweet Creole	New England Seed Co.	80	96
Collards	Georgia	Burpee Garden Products Co.	80	93
Corn	Butter and Sugar	New England Seed Co.	75	88
Corn Popcorn	Red Strawberry (non-GMO)	New England Seed Co.	75	93
Corn	Sweet Corn White Hyb Argent (non-GMO)	New England Seed Co.	75	73***
Cress	Curled (non-GMO)	New England Seed Co.	40	99
Cucumber	Marketmore 76	The Chas. C. Hart Seed Co.	80	97
Cucumber	Boston Pickling	The Chas. C. Hart Seed Co.	80	97
Cucumber	Long Green	The Chas. C. Hart Seed Co.	80	84
Cucumber	Straight Eight	The Chas. C. Hart Seed Co.	80	93
Cucumber	Marketmore 76	New England Seed Co.	80	98
Cucumber	Hyb Carolina (non-GMO)	New England Seed Co.	80	97
Cucumber	Hyb Calypso (non-GMO)	New England Seed Co.	80	78***
Cucumber	Hyb Bush Pickle (non-GMO)	New England Seed Co.	80	97
Cucumber	Slicer Brown Russian (non-GMO)	New England Seed Co.	80	93
Cucumber	Burpless Hyb Garden Sweet (non-GMO)	New England Seed Co.	80	97
Cucumber	Natural Pickling/Boston (non-GMO)	New England Seed Co.	80	96
Cucumber	Spacemaster 80	Botanical Interests, INC.	80	98
Dill	Dill Bouquet	New England Seed Co.	60	81
Dill	Tetra	Botanical Interests, INC.	60	80
Dill	Mammoth (Org)	Burpee Garden Products Co.	60	89
Dill	Long Island Mammoth	Green Garden Products	60	91
Eggplant	Long Purple	The Chas. C. Hart Seed Co.	60	60
Eggplant	Casper White	The Chas. C. Hart Seed Co.	60	87
Eggplant	Black Beauty	New England Seed Co.	60	93
Eggplant	Ping Tung (non-GMO)	New England Seed Co.	60	80
Eggplant	Long Purple (non-GMO)	New England Seed Co.	60	85
Eggplant	Lunga Di Napoli	La Semiorto Sementi	60	97
Eggplant	Burpee's Black Beauty	Burpee Garden Products Co.	60	N/A**
Endive	Green Curled Frisee	The Chas. C. Hart Seed Co.	70	97
Endive	Broadleaf – escarole	The Chas. C. Hart Seed Co.	70	41*
Endive	Batavian Full Heart	New England Seed Co.	70	77

Fennel	Florence	The Chas. C. Hart Seed Co.	60	86
Fennel	Florence	New England Seed Co.	60	90
Kale	Vates Blue Curled	The Chas. C. Hart Seed Co.	75	99
Kale	Red Russian	The Chas. C. Hart Seed Co.	75	93
Kale	Lacinato	The Chas. C. Hart Seed Co.	75	80
Kale	Vates Blue Curled	New England Seed Co.	75	99
Kale	Lacinato (Org)	New England Seed Co.	75	66***
Kale	Dwarf Blue Curled (Org)	Botanical Interests, INC.	75	78
Kale	Lacinato (Org)	Botanical Interests, INC.	75	99
Kale	Premier Blend	Botanical Interests, INC.	75	90
Kale	Blue Scotch Curled (non-GMO)	Livingston - Green Garden Products	75	14*
Kale	Siberian Improved (non-GMO)	Livingston – Green Garden Products	75	78
Kale	Premier	Burpee Garden Products Co.	75	91
Kohlrabi	Mixed Vienna	The Chas. C. Hart Seed Co.	75	92
Kohlrabi	White Vienna	New England Seed Co.	75	100
Kohlrabi	Early White Vienna (non-GMO)	Livingston – Green Garden Products	60	91
Leek	American Flag Large	The Chas. C. Hart Seed Co.	60	98
Leek	American Broad Flag	New England Seed Co.	60	98
Leek	American Flag (non-GMO)	Livingston – Green Garden Products	60	88
Lettuce	Iceberg	The Chas. C. Hart Seed Co.	80	94
Lettuce	Buttercrunch	The Chas. C. Hart Seed Co.	80	93
Lettuce	Buttercrunch	New England Seed Co.	80	94
Lettuce	Buttercrunch (Org)	New England Seed Co.	80	0*
Lettuce	Australe (Org)	Botanical Interests, INC.	80	99
Lettuce	Buttercrunch (Org)	Botanical Interests, INC.	80	91
Lettuce	Black Seeded Simpson (Org)	Botanical Interests, INC.	80	89
Lettuce	Little Gem (Org)	Botanical Interests, INC.	80	46*
Lettuce	Parris Island Cos	Botanical Interests, INC.	80	97
Lettuce	Black Seeded Simpson (non-GMO)	Livingston - Green Garden Products	80	93
Lettuce	Buttercrunch (non-GMO)	Livingston - Green Garden Products	80	88
Lettuce	Grand Rapids TBR (leaf) (non-GMO)	Livingston - Green Garden Products	80	92
Lettuce	Iceberg (non-GMO)	Livingston - Green Garden Products	80	97
Lettuce	Parris Island Romaine (non-GMO)	Livingston - Green Garden Products	80	95
Lettuce	Prizehead (non-GMO)	Livingston - Green Garden Products	80	63*
Lettuce	Red Romaine (non-GMO)	Livingston - Green Garden Products	80	75***
Lettuce	Black Seeded Simpson	Burpee Garden Products Co.	80	85
Lettuce	Burpee Bibb	Burpee Garden Products Co.	80	98
Lettuce	Igloo	Burpee Garden Products Co.	80	72***
Lettuce	Little Caesar	Burpee Garden Products Co.	80	94
Lettuce	Nevada	Burpee Garden Products Co.	80	81
Marjoram	Sweet (non-GMO)	New England Seed Co.	50	65
Mustard	Florida Broadleaf	The Chas. C. Hart Seed Co.	75	98
Mustard	Red Giant	The Chas. C. Hart Seed Co.	75	96
Mustard	Florida Broadleaf	New England Seed Co.	75	89

Mustard	India Florida Broadleaf	Green Garden Products	75	89
New Zealand Spinach	New Zealand	New England Seed Co.	40	21*
Okra	Emerald	The Chas. C. Hart Seed Co.	50	75
Okra	Long Green	The Chas. C. Hart Seed Co.	50	51
Okra	Clemson Spineless	New England Seed Co.	50	67
Okra	Clemson Spineless (non-GMO)	New England Seed Co.	50	70
Okra	Red Burgundy (non-GMO)	New England Seed Co.	50	63
Onion	Yellow Sweet Spanish	The Chas. C. Hart Seed Co.	70	80
Onion	White Portugal	The Chas. C. Hart Seed Co.	70	43*
Onion	Sweet Spanish	New England Seed Co.	70	91
Onion	Walla Walla (non-GMO)	Livingston - Green Garden Products	70	63***
Onion	Walla Walla	Burpee Garden Products Co.	70	91
Onion	Texas Grano 502	Green Garden Products	70	75
Onion (bunching)	Italian Red of Florence	Botanical Interests, INC.	70	78
Onion (bunching)	White Lisbon	Botanical Interests, INC.	70	97
Pak Choi	Chinese Cabbage (non-GMO)	Livingston - Green Garden Products	75	N/A**
Pak Choi	Pechay	Burpee Garden Products Co.	75	98
Parsley	Hamburg	The Chas. C. Hart Seed Co.	60	90
Parsley	Plain Leaf Italian	The Chas. C. Hart Seed Co.	60	56***
Parsley	Italian Plain Leaf	New England Seed Co.	60	94
Parsley	Gigante	La Semiorto Sementi	60	89
Parsley	Flat Leaf (Org)	Botanical Interests, INC.	60	71
Parsley	Moss Curled (Org)	Botanical Interests, INC.	60	56***
Parsley	Triple / Curled (non-GMO)	Livingston – Green Garden Products	60	86
Parsley	Italian / Single (non-GMO)	Livingston – Green Garden Products	60	58***
Parsley	Big Italy	Burpee Garden Products Co.	60	86
Parsley	Italian Flat Leaf	Green Garden Products	60	14*
Parsnip	All American	New England Seed Co.	60	79
Parsnip	Hollow Crown (non-GMO)	Livingston – Green Garden Products	60	2*
Peas	Sugar Snap	New England Seed Co.	80	91
Peas	Sugar Daddy (non-GMO)	New England Seed Co.	80	87
Peas	Lincoln (non-GMO)	New England Seed Co.	80	91
Peas	Sugar Ann (non-GMO)	New England Seed Co.	80	74***
Peas	Dwarf Grey Sugar (non-GMO)	New England Seed Co.	80	97
Pepper	California Wonder	The Chas. C. Hart Seed Co.	55	92
Pepper	Cubanelle	The Chas. C. Hart Seed Co.	55	82
Pepper	Jalapeno	The Chas. C. Hart Seed Co.	55	83
Pepper	Long Red Cayenne	The Chas. C. Hart Seed Co.	55	66
Pepper	Pepperoncini	The Chas. C. Hart Seed Co.	55	35*
Pepper	Sweet Banana	The Chas. C. Hart Seed Co.	55	82
Pepper	Anaheim Chile	The Chas. C. Hart Seed Co.	55	79
Pepper	Early Jalapeno	New England Seed Co.	55	82
Pepper	Large Red Cayenne	New England Seed Co.	55	82
Pepper	Red Hot Cherry	New England Seed Co.	55	83

Pepper	Calwonder	New England Seed Co.	55	74
Pepper	Sweet Banana	New England Seed Co.	55	86
Pepper	Tam Jalapeño (non-GMO)	New England Seed Co.	55	90
Pepper	Anaheim (non-GMO)	New England Seed Co.	55	73
Pepper	Ancho (non-GMO)	New England Seed Co.	55	74
Pepper	Marconi Red (non-GMO)	New England Seed Co.	55	89
Pumpkin	Casper White	The Chas. C. Hart Seed Co.	75	87
Pumpkin	Big Max	The Chas. C. Hart Seed Co.	75	84
Pumpkin	Jack O'Lantern	The Chas. C. Hart Seed Co.	75	96
Pumpkin	Howden	The Chas. C. Hart Seed Co.	75	93
Pumpkin	Hyb Autumn Buckskin (non-GMO)	New England Seed Co.	75	83
Pumpkin	Hyb Bumpkin PMT (non-GMO)	New England Seed Co.	75	96
Pumpkin	Fairytale (non-GMO)	New England Seed Co.	75	73***
Pumpkin	Cushaw Orange Striped (non-GMO)	New England Seed Co.	75	96
Radish	Champion	The Chas. C. Hart Seed Co.	75	89
Radish	Early Scarlet Globe	The Chas. C. Hart Seed Co.	75	93
Radish	Cherry Belle	The Chas. C. Hart Seed Co.	75	95
Radish	Champion	New England Seed Co.	75	92
Radish	Watermelon	New England Seed Co.	75	97
Radish	Cherry Belle (Org)	New England Seed Co.	75	86
Radish	Cherry Belle	Botanical Interests, INC.	75	94
Radish	Cherry Belle (non-GMO)	Livingston – Green Garden Products	75	80
Radish	White Icicle (non-GMO)	Livingston – Green Garden Products	75	99
Radish	Cherry Belle	Burpee Garden Products Co.	75	80
Radish	Crimson Giant	Burpee Garden Products Co.	75	98
Radish	French Dressing	Burpee Garden Products Co.	75	72***
Radish	Cherry Belle (Org)	Burpee Garden Products Co.	75	96
Radish	German Giant (Org)	Burpee Garden Products Co.	75	92
Rosemary	N/A	New England Seed Co.	30	N/A**
Rutabaga	American Purple Top	The Chas. C. Hart Seed Co.	75	98
Rutabaga	Improved Purple Top Yellow	New England Seed Co.	75	97
Rutabaga	American Purple Top (non-GMO)	Livingston - Green Garden Products	75	94
Sage	Broadleaf	New England Seed Co.	60	80
Spinach	Bloomsdale Long Standing	The Chas. C. Hart Seed Co.	60	93
Spinach	Bloomsdale Savoy	New England Seed Co.	60	96
Spinach	Bloomsdale (Org)	Botanical Interests, INC.	60	97
Spinach	Bloomsdale Long Standing (non-GMO)	Livingston - Green Garden Products	60	98
Spinach	Space Hybrid	Burpee Garden Products Co.	60	95
Spinach	Salad Sensation Hybrid	Burpee Garden Products Co.	60	93
Spinach	Bloomsdale Long Standing (Org)	Burpee Garden Products Co.	60	95
Spinach	Correnta Hybrid	Green Garden Products	60	99
Squash	Dark Green Zucchini	The Chas. C. Hart Seed Co.	75	96
Squash	Early Yello Straightneck	The Chas. C. Hart Seed Co.	75	96
Squash	Buttercup (Burgess)	The Chas. C. Hart Seed Co.	75	98

Squash	Waltham Butternut	The Chas. C. Hart Seed Co.	75	94
Squash	Cocozelle	The Chas. C. Hart Seed Co.	75	76
Squash	Cucuzzi Caravazzi	The Chas. C. Hart Seed Co.	75	80
Squash	Patty Pan	New England Seed Co.	75	93
Squash	Burgess Buttercup (non-GMO)	New England Seed Co.	75	97
Squash	Winter Table Queen Acorn (non-GMO)	New England Seed Co.	75	92
Squash	Summer Early White Bush Scallop (non-GMO)	New England Seed Co.	75	96
Squash	Tondo Di Piacenza	La Semiorto Sementi	75	N/A**
Swiss Chard	Fordhook Giant (non-GMO)	New England Seed Co.	65	73
Thyme	Broadleaf	New England Seed Co.	50	46***
Thyme	English (Org)	Botanical Interests, INC.	50	93
Thyme	Herb (non-GMO)	Livingston - Green Garden Products	50	26*
Tomatillo	Verde Tomatillo (non-GMO)	New England Seed Co.	50	93
Tomatillo	Purple	Green Garden Products	50	98
Tomato	Marglobe	The Chas. C. Hart Seed Co.	75	88
Tomato	Red Cherry Large	The Chas. C. Hart Seed Co.	75	99
Tomato	Pineapple	The Chas. C. Hart Seed Co.	75	93
Tomato	Best Boy	The Chas. C. Hart Seed Co.	75	80
Tomato	Brandywine Pink	The Chas. C. Hart Seed Co.	75	90
Tomato	Brandywine	New England Seed Co.	75	84
Tomato	Cherokee Purple	New England Seed Co.	75	87
Tomato	Mr. Stripey	New England Seed Co.	75	N/A**
Tomato	Dr. Wyche's Yellow (non-GMO)	New England Seed Co.	75	83
Tomato	German Johnson (non-GMO)	New England Seed Co.	75	84
Tomato	Green Zebra (non-GMO)	New England Seed Co.	75	95
Tomato	Crovarese	La Semiorto Sementi	75	99
Tomato	Gardener's Delight	Green Garden Products	75	98
Tomato	Rio Grande	Green Garden Products	75	93
Turnip	Purpletop White Globe	The Chas. C. Hart Seed Co.	80	91
Turnip	Seven Top	The Chas. C. Hart Seed Co.	80	92
Turnip	Purple Top White Globe	New England Seed Co.	80	98
Turnip	White Lady	Botanical Interests, INC.	80	100
Turnip	Purple Tops White Globe (non-GMO)	Livingston - Green Garden Products	80	100
Watercress	True Watercress (non-GMO)	New England Seed Co.	40	76
Watermelon	Sugar Baby	The Chas. C. Hart Seed Co.	70	97
Watermelon	Charleston Grey	The Chas. C. Hart Seed Co.	70	95
Watermelon	Crimson Sweet (non-GMO)	New England Seed Co.	70	94
Watermelon	Sugar Baby (non-GMO)	New England Seed Co.	70	99

^a *: Did not meet the label claim and germination standards

** : Did not have enough seed for the germination test

*** : Did not meet the claim, but passed the test within the acceptable tolerance

**** : Was not tested because it was submitted in error

Table 2. Results of percent vegetable seed samples that met label claims of germination rates by seed source.

Seed Company	Number of Tested Samples	Meeting Label Claims (%)
Botanical Interests, INC.	25	96
Burpee Garden Products Co.	32	100
Green Garden Products	14	86
La Semiorio Sementi	3	100
Livingston - Green Garden Products	31	81
New England Seed Co.	108	94
The Chas. C. Hart Seed Co.	77	94

Table 3. Results of average seed germination rates grouped by tested vegetable crops and percentages of samples that met the claims.

Plant	Number of Tested Samples	Germination (%)		Samples Meeting the Label Claim (%)
		Label Claim	Average Found	
Anise	1	50	75	100
Asparagus	1	70	96	100
Basil	7	70	87	100
Bean	10	75	76	80
Beet	14	65	78	86
Broccoli	12	75	80	83
Brussels Sprouts	4	70	96	100
Cabbage	9	75	82	78
Melon (Cantaloupe)	3	75	90	100
Carrot	13	55	82	100
Cauliflower	8	75	91	100
Celery	4	55	64	75
Chervil	1	65	96	100
Chicory	3	65	87	100
Chives	1	50	81	100
Cilantro	2	70	93	100
Collards	2	80	94	100
Corn	3	75	85	100
Cress	1	40	99	100
Cucumber	12	80	94	100
Dill	4	60	85	100
Eggplant	6	60	84	100
Endive	3	70	72	67
Fennel	2	60	88	100
Kale	11	75	81	91
Kohlrabi	3	75	94	100
Leek	3	60	95	100
Lettuce	21	80	83	86
Marjoram	1	50	65	100
Mustard	4	75	93	100
New Zealand Spinach	1	40	21	0
Okra	5	50	65	100
Onion	8	70	77	88
Pak Choi	1	75	98	100
Parsley	10	60	70	90
Parsnip	2	60	41	50

Peas	5	80	88	100
Pepper	16	55	78	94
Pumpkin	8	75	88	100
Radish	14	75	90	100
Rutabaga	3	75	96	100
Sage	1	60	80	100
Spinach	8	60	96	100
Squash	10	75	92	100
Swiss Chard	1	65	73	100
Thyme	3	50	55	67
Tomatillo	2	50	95	100
Tomato	13	75	90	100
Turnip	5	80	96	100
Watercress	1	40	76	100
Watermelon	4	70	96	100

Table 4. Results of purity and germination rates of crop and pasture mixture samples in comparison to the label claims.

Seed Company	Seed Mixture	Purity		Germination (%)	
		Claim	Found ^z	Claim	Found ^z
	Touch-up Tri-Rye				
Jonathan Green Inc	Frontier Perennial Ryegrass	39.30		92	
	Highlife Perennial Ryegrass	29.45		92	
	Singular Perennial Ryegrass	29.45		92	
	Total Perennial Ryegrass	98.20	99.06	92	90**
	Black Beauty Sun and Shade				
Jonathan Green Inc	Pivot Kentucky Bluegrass	9.8	9.94	85	92
	Frontier Perennial Ryegrass	19.65		92	
	Singular Perennial Ryegrass	9.82		92	
	Total Perennial Ryegrass	29.47	34.92	92	88**
	Future Tall Fescue	34.5		90	
	Thunderbolt Tall Fescue	24.6		90	
	Total Tall Fescue	59.1	54.8*	90	92
	Ellington Sun and Shade Mix				
Wetsel Seed	Kentucky Bluegrass	17.0	14.3*	80	61*
	Black Stone Perennial Ryegrass	19.6		90	
	Dominator Perennial Ryegrass	19.6		90	
	Total Perennial Ryegrass	39.2	42.7	90	89**
	Boreal Creeping Red Fescue	39.2	39.8	85	96
Mosher's	Rye				
	Rye	99.8	99.7**	87	85**
Preferred Seed	Orchardgrass, Variety: Crown Royale				
	Orchardgrass	99.46	80.80*	85	85
Preferred Seed	P. S. 2000 Brand Timothy				
	Timothy	99.7	100	97	98

^z *: did not meet the label claim and purity or germination standards.

** : did not meet the claim but passed the standard test within the acceptable tolerance.

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