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*The  
Connecticut  
Agricultural  
Experiment  
Station,  
New Haven*

Seed Germination  
and Purity  
Analysis 2001

BY SHARON M. DOUGLAS  
AND MARY K. INMAN

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Official samples of 325 vegetable, 12 lawn, and 6 crop seed were collected by inspectors from the Bureau of Regulation and Inspection of the Connecticut Department of Agriculture for testing in 2001. As the official seed testing laboratory, The Connecticut Agricultural Experiment Station performed germination and purity analyses for compliance with the Connecticut Seed Law Regulations and the Federal Seed Act.

Table 1 shows the results of germination tests for individual vegetable seed samples from 13 companies. Results are presented by plant type, variety, germination found, germination standard, and compliance with the standard. Germination standards are set by the Federal Seed Act. The categories for label compliance are: 1) seeds meet label claims for germination and 2) seeds do not meet label claims for germination within allowable tolerance. All tests were replicated twice. In addition, seedlings must also appear normal, i.e., they have to be free from decay, have well-developed primary root systems, have well-developed and intact hypocotyls and/or epicotyls, and have healthy cotyledons. Of the 325 vegetable seed samples tested, one did not meet the label claim for germination. One additional sample did not meet the label claim but was not retested because of an insufficient numbers of seeds. Seed samples were also examined for prohibited noxious weed seeds. No vegetable samples contained weed contaminants.

The total number of germination claims and the percentage of claims that met or failed label claims are summarized for each vegetable seed company in Table 2. Table 3 summarizes the total number of samples tested and the average germination for each type of vegetable.

Table 4 shows the results of purity and germination tests for individual lawn grass seed samples. These are presented by company, brand name and/or seed type or variety mixture. The categories for both purity and germination are as previously described for vegetable seeds. Lawn seed samples that were labeled with several varieties within a species or with several species within a genus were separated by genus. Purity and germination results are therefore reported as the sum for that genus. The label claim is met as long as this sum equals or exceeds the sum of the individual components for a genus listed on the label. Three of the 12 lawn seed samples tested met label claims for both purity and germination. Nine samples did not meet claims for purity but passed label claims for germination. No samples failed label claims for both purity and germination.

In addition to germination and purity tests, label claims for the percentages of inert matter, crop seed (other than lawn seed), weed seed, and the presence of noxious weeds were also evaluated. All samples met label claims for these criteria.

Table 5 shows the results of purity and germination tests for crop seed samples. All six samples met label claims for germination and purity.

Analyses were performed by Mary K. Inman and Dr. Sharon M. Douglas. Samples were collected by Alton Van Dyke, Seed Control Official and John Schneider. The Seed Law is administered by the Seed Control Official for the Commissioner of the Department of Agriculture.

Sharon M. Douglas

Table 1. Germination of vegetable seeds. Standards are provided by the rules and regulations of the Federal Seed Act.

\* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant            | Variety                     | Seed Company                                  | Standard | Found |
|------------------|-----------------------------|---|----------|-------|
| Artichoke        | Green Globe                 | Charles C. Hart Seed Co.                      | 60       | 62    |
| Artichoke        | Green Globe                 | Comstock, Ferre and Co.                       | 60       | 64    |
| Asparagus        | Mary Washington             | Comstock, Ferre and Co.                       | 70       | 90    |
| Bean             | Blue Lake Bush              | Charles C. Hart Seed Co.                      | 70       | 95    |
| Bean             | Pencil Pod Wax              | Charles C. Hart Seed Co.                      | 70       | 97    |
| Bean             | Blue Lake Bush              | New England Seed Co.                          | 70       | 94    |
| Bean             | Roma II Bush                | New England Seed Co.                          | 70       | 94    |
| Bean             | Cherokee Wax                | New England Seed Co.                          | 70       | 98    |
| Bean             | Blue Lake Bush 274          | W. Atlee Burpee and Co.                       | 70       | 93    |
| Bean             | Kentucky Wonder Pole        | W. Atlee Burpee and Co.                       | 70       | 96    |
| Bean             | Tendergreen Improved        | Ferry-Morse Seed Co./Better Homes and Gardens | 70       | 95    |
| Bean             | Nugget Bush Wax             | Ferry-Morse Seed Co./Better Homes and Gardens | 70       | 94    |
| Bean             | Pencil Pod Wax              | Comstock, Ferre and Co.                       | 70       | 98    |
| Bean             | Kentucky Wonder             | Comstock, Ferre and Co.                       | 70       | 88    |
| Bean             | Northstar Navy              | Comstock, Ferre and Co.                       | 70       | 94    |
| Bean             | Red Kidney                  | Comstock, Ferre and Co.                       | 70       | 99    |
| Bean             | Top Crop                    | Livingston Seed Co.                           | 70       | 99    |
| Bean             | Greencrop                   | NK Lawn and Garden Co.                        | 70       | 83    |
| Bean             | Royal Burgundy              | Agway, Inc.                                   | 70       | 95    |
| Bean             | Butterwax                   | Agway, Inc.                                   | 70       | 97    |
| Bean             | Black Seeded Blue Lake      | Seeds of Change                               | 70       | 89    |
| Bean             | Spanish Musica Pole         | Renee's Garden                                | 70       | 98    |
| Bean             | Shepherd's Bush 3 Color Mix | Shepherd's Garden Seeds                       | 70       | 95    |
| Bean             | Montpellier French          | Botanical Interests, Inc.                     | 70       | 96    |
| Bean             | Scarlet Emperor             | Botanical Interests, Inc.                     | 70       | 85    |
| Bean, lima       | Henderson                   | Charles C. Hart Seed Co.                      | 70       | 84    |
| Bean, lima       | Baby Fordhook               | W. Atlee Burpee and Co.                       | 70       | 82    |
| Bean, lima       | Fordhook 242                | Agway, Inc.                                   | 70       | 65    |
| Beet             | Red Ace                     | Charles C. Hart Seed Co.                      | 65       | 89    |
| Beet             | Scarlet Supreme Hybrid      | New England Seed Co.                          | 65       | 88    |
| Beet             | Detroit Dark Red            | W. Atlee Burpee and Co.                       | 65       | 79    |
| Beet             | Cylindra                    | Comstock, Ferre and Co.                       | 65       | 92    |
| Beet             | Ruby Queen                  | NK Lawn and Garden Co.                        | 65       | 95    |
| Beet             | Detroit Dark Red            | American Seed                                 | 65       | 87    |
| Beet             | Red Ace                     | Agway, Inc.                                   | 65       | 79    |
| Broccoli         | Green Calabrese             | Charles C. Hart Seed Co.                      | 75       | 79    |
| Broccoli         | Premium Crop Hybrid         | New England Seed Co.                          | 75       | 93    |
| Broccoli         | Green Goliath               | W. Atlee Burpee and Co.                       | 75       | 94    |
| Broccoli         | Green Comet                 | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 86    |
| Broccoli         | Waltham 29                  | NK Lawn and Garden Co.                        | 75       | 98    |
| Broccoli         | Calabrese                   | American Seed                                 | 75       | 77    |
| Broccoli         | Super Blend Mix             | Shepherd's Garden Seeds                       | 75       | 90    |
| Broccoliraab     | Spring                      | Comstock, Ferre and Co.                       | 75       | 97    |
| Brussels sprouts | Long Island Improved        | Charles C. Hart Seed Co.                      | 70       | 95    |
| Brussels sprouts | Jade Cross Hybrid           | New England Seed Co.                          | 70       | 87    |

Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant            | Variety                 | Seed Company                                  | Standard | Found |
|------------------|-------------------------|---|----------|-------|
| Brussels sprouts | Bubbles                 | Comstock, Ferre and Co.                       | 70       | 98    |
| Brussels sprouts | Catskill                | Agway, Inc.                                   | 70       | 94    |
| Cabbage          | Chieftain Savoy         | Charles C. Hart Seed Co.                      | 75       | 98    |
| Cabbage          | Dynamo                  | New England Seed Co.                          | 75       | 94    |
| Cabbage          | Ireland Hybrid          | W. Atlee Burpee and Co.                       | 75       | 76    |
| Cabbage          | Copenhagen Market Early | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 90    |
| Cabbage          | Red Acre                | Comstock, Ferre and Co.                       | 75       | 82    |
| Cabbage          | Gourmet                 | Agway, Inc.                                   | 75       | 87    |
| Cantaloupe       | Delicious 51            | Charles C. Hart Seed Co.                      | 75       | 95    |
| Cantaloupe       | Alaska Hybrid           | New England Seed Co.                          | 75       | 97    |
| Cantaloupe       | Burpee Hybrid           | W. Atlee Burpee and Co.                       | 75       | 99    |
| Cantaloupe       | Hale's Best Jumbo       | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 94    |
| Cantaloupe       | Iroquois                | Comstock, Ferre and Co.                       | 75       | 88    |
| Cantaloupe       | Imperial 45             | NK Lawn and Garden Co.                        | 75       | 98    |
| Carrot           | Danvers Half Long       | Charles C. Hart Seed Co.                      | 55       | 89    |
| Carrot           | Danvers Half Long       | New England Seed Co.                          | 55       | 79    |
| Carrot           | Nantes Half Long        | W. Atlee Burpee and Co.                       | 55       | 75    |
| Carrot           | Imperator # 58          | Ferry-Morse Seed Co./Better Homes and Gardens | 55       | 80    |
| Carrot           | Gold Pak                | Comstock, Ferre and Co.                       | 55       | 85    |
| Carrot           | Nantes                  | Livingston Seed Co.                           | 55       | 88    |
| Carrot           | Candy Stick Hybrid      | NK Lawn and Garden Co.                        | 55       | 90    |
| Carrot           | Danvers Half Long       | American Seed                                 | 55       | 81    |
| Carrot           | Royal Chantenay         | Agway, Inc.                                   | 55       | 71    |
| Carrot           | Freuch Babette          | Renee's Garden                                | 55       | 60    |
| Carrot           | Parmax Baby Round       | Shepherd's Garden Seeds                       | 55       | 79    |
| Carrot           | Scarlet Nantes          | Botanical Interests, Inc.                     | 55       | 72    |
| Cauliflower      | Early Snowball          | Charles C. Hart Seed Co.                      | 75       | 95    |
| Cauliflower      | Snow Crop               | New England Seed Co.                          | 75       | 96    |
| Cauliflower      | Early White Hybrid      | W. Atlee Burpee and Co.                       | 75       | 96    |
| Cauliflower      | Snowball Improved       | Comstock, Ferre and Co.                       | 75       | 95    |
| Cauliflower      | Candid Charm Hybrid     | NK Lawn and Garden Co.                        | 75       | 89    |
| Cauliflower      | Snowball X              | American Seed                                 | 75       | 98    |
| Cauliflower      | Snow Crown              | Agway, Inc.                                   | 75       | 99    |
| Celery           | Giant Pascal            | Charles C. Hart Seed Co.                      | 55       | 81    |
| Celery           | Utah                    | New England Seed Co.                          | 55       | 54    |
| Celery           | Green Pascal            | Comstock, Ferre and Co.                       | 55       | 71    |
| Chicory          | Italian Dandelion       | Charles C. Hart Seed Co.                      | 65       | 87    |
| Chicory          | Italian Dandelion       | New England Seed Co.                          | 65       | 81    |
| Chicory          | Verona Red              | Comstock, Ferre and Co.                       | 70       | 85    |
| Chinese cabbage  | Michihli                | Comstock, Ferre and Co.                       | 75       | 98    |
| Chinese cabbage  | Jade Pagoda             | Agway, Inc.                                   | 75       | 96    |
| Collards         | Georgia Green           | Charles C. Hart Seed Co.                      | 80       | 96    |
| Collards         | Georgia                 | New England Seed Co.                          | 80       | 92    |
| Collards         | Georgia                 | Comstock, Ferre and Co.                       | 80       | 98    |
| Collards         | Vates                   | Agway, Inc.                                   | 80       | 89    |

Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant     | Variety              | Seed Company                                  | Standard | Found |
|-----------|----------------------|---|----------|-------|
| Corn      | Butter and Sugar     | Charles C. Hart Seed Co.                      | 75       | 98    |
| Corn      | Silver Queen         | Charles C. Hart Seed Co.                      | 75       | 97    |
| Corn      | Kandy Korn           | Charles C. Hart Seed Co.                      | 75       | 97    |
| Corn      | Butter and Sugar     | New England Seed Co.                          | 75       | 99    |
| Corn      | Mini Ear             | New England Seed Co.                          | 75       | 97    |
| Corn      | Early Sunglow        | New England Seed Co.                          | 75       | 98    |
| Corn      | Honey and Cream      | W. Atlee Burpee and Co.                       | 75       | 97    |
| Corn      | Early Sunglow        | W. Atlee Burpee and Co.                       | 75       | 98    |
| Corn      | Golden Cross Bantam  | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 97    |
| Corn      | Golden Bantam        | Comstock, Ferre and Co.                       | 75       | 99    |
| Corn      | Bodacious            | Comstock, Ferre and Co.                       | 75       | 92    |
| Corn      | Peaches and Cream    | Livingston Seed Co.                           | 75       | 97    |
| Corn      | Sugar Dots           | NK Lawn and Garden Co.                        | 75       | 89    |
| Corn      | Twice as Nice        | Agway, Inc.                                   | 75       | 97    |
| Corn      | Silver Queen         | Agway, Inc.                                   | 75       | 98    |
| Corn      | Stowells Heirloom    | Seeds of Change                               | 75       | 94    |
| Corn      | Casino Early         | Renee's Garden                                | 75       | 98    |
| Corn      | Sugar Snow           | Shepherd's Garden Seeds                       | 75       | 95    |
| Cornsalad | Mache                | Botanical Interests, Inc.                     | 70       | 85    |
| Cowpea    | Pink Eye Purple Hull | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 72    |
| Cress     | Upland Curled        | Charles C. Hart Seed Co.                      | 60       | 97    |
| Cucumber  | Bush Crop            | Charles C. Hart Seed Co.                      | 80       | 94    |
| Cucumber  | Straight Eight       | Charles C. Hart Seed Co.                      | 80       | 98    |
| Cucumber  | Wisconsin SMR        | Charles C. Hart Seed Co.                      | 80       | 99    |
| Cucumber  | Burpless Hybrid      | New England Seed Co.                          | 80       | 91    |
| Cucumber  | Pioneer Hybrid       | New England Seed Co.                          | 80       | 96    |
| Cucumber  | Straight Eight       | W. Atlee Burpee and Co.                       | 80       | 97    |
| Cucumber  | Marketmore 76        | Ferry-Morse Seed Co./Better Homes and Gardens | 80       | 95    |
| Cucumber  | Armenian Yard Long   | Comstock, Ferre and Co.                       | 80       | 98    |
| Cucumber  | West Indian Gherkin  | Comstock, Ferre and Co.                       | 80       | 95    |
| Cucumber  | Spacemaster Bush     | Livingston Seed Co.                           | 80       | 95    |
| Cucumber  | Poinsett 76          | NK Lawn and Garden Co.                        | 80       | 93    |
| Cucumber  | National Pickling    | American Seed                                 | 80       | 96    |
| Cucumber  | Dasher II            | Agway, Inc.                                   | 80       | 97    |
| Cucumber  | Wisconsin SMR-58     | Agway, Inc.                                   | 80       | 100   |
| Cucumber  | Champion Bush        | Seeds of Change                               | 80       | 96    |
| Cucumber  | Homemade Pickles     | Botanical Interests, Inc.                     | 80       | 93    |
| Dill      | Boquet               | Charles C. Hart Seed Co.                      | 60       | 82    |
| Dill      | Boquet               | New England Seed Co.                          | 60       | 89    |
| Dill      | Mammoth              | W. Atlee Burpee and Co.                       | 60       | 83    |
| Dill      | Long Island Mammoth  | American Seed                                 | 60       | 75    |
| Dill      | Dukat                | Shepherd's Garden Seeds                       | 60       | 85    |
| Eggplant  | Black Beauty         | Charles C. Hart Seed Co.                      | 60       | 88    |
| Eggplant  | Long Purple          | New England Seed Co.                          | 60       | 81    |
| Eggplant  | Black Beauty         | Ferry-Morse Seed Co./Better Homes and Gardens | 60       | 88    |
| Eggplant  | Long Purple          | Comstock, Ferre and Co.                       | 60       | 83    |

Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant    | Variety                   | Seed Company                                  | Standard | Found |
|----------|---------------------------|---|----------|-------|
| Eggplant | Dusky Hybrid              | NK Lawn and Garden Co.                        | 60       | 91    |
| Eggplant | Black Beauty              | American Seed                                 | 60       | 95    |
| Eggplant | High Bush Select          | Agway, Inc.                                   | 60       | 84    |
| Eggplant | Black Beauty              | Botanical Interests, Inc.                     | 60       | 85    |
| Endive   | Escarolle                 | Charles C. Hart Seed Co.                      | 70       | 81    |
| Endive   | Batavian Full Heart       | Comstock, Ferre and Co.                       | 70       | 91    |
| Endive   | Green Ruffle              | Agway, Inc.                                   | 70       | 92    |
| Endive   | Tres Fine                 | Shepherd's Garden Seeds                       | 70       | 96    |
| Kale     | Vates Blue Curled         | Charles C. Hart Seed Co.                      | 75       | 98    |
| Kale     | Vates Dwarf Blue Curled   | W. Atlee Burpee and Co.                       | 75       | 97    |
| Kale     | Red Russian               | Comstock, Ferre and Co.                       | 75       | 95    |
| Kale     | Blue Scotch               | Agway, Inc.                                   | 75       | 95    |
| Kale     | Red Winder                | Botanical Interests, Inc.                     | 75       | 93    |
| Kohlrabi | Early White Vienna        | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 97    |
| Kohlrabi | Early Purple Vienna       | Comstock, Ferre and Co.                       | 75       | 97    |
| Kohlrabi | Early White Vienna        | NK Lawn and Garden Co.                        | 75       | 98    |
| Kohlrabi | Early Purple Vienna       | Agway, Inc.                                   | 75       | 94    |
| Leek     | American Flag             | Charles C. Hart Seed Co.                      | 60       | 95    |
| Leek     | American Broad Flag       | New England Seed Co.                          | 60       | 95    |
| Leek     | American Flag             | Comstock, Ferre and Co.                       | 60       | 96    |
| Leek     | Otina                     | Shepherd's Garden Seeds                       | 60       | 90    |
| Lettuce  | Bibb                      | Charles C. Hart Seed Co.                      | 80       | 96    |
| Lettuce  | Red Sails                 | Charles C. Hart Seed Co.                      | 80       | 94    |
| Lettuce  | Salad Bowl                | Charles C. Hart Seed Co.                      | 80       | 97    |
| Lettuce  | Oak Leaf                  | New England Seed Co.                          | 80       | 97    |
| Lettuce  | Parris Island Cos         | New England Seed Co.                          | 80       | 99    |
| Lettuce  | Black Seeded Simpson      | New England Seed Co.                          | 80       | 99    |
| Lettuce  | Burpee Bibb               | W. Atlee Burpee and Co.                       | 80       | 95    |
| Lettuce  | Little Caesar Romaine     | W. Atlee Burpee and Co.                       | 80       | 94    |
| Lettuce  | Great Lakes # 118         | Ferry-Morse Seed Co./Better Homes and Gardens | 80       | 98    |
| Lettuce  | Winter Density            | Comstock, Ferre and Co.                       | 80       | 96    |
| Lettuce  | Parris Island Cos         | Comstock, Ferre and Co.                       | 80       | 94    |
| Lettuce  | Cimmaron Red              | Comstock, Ferre and Co.                       | 80       | 87    |
| Lettuce  | Buttercrunch              | Livingston Seed Co.                           | 80       | 97    |
| Lettuce  | Iceberg                   | NK Lawn and Garden Co.                        | 80       | 97    |
| Lettuce  | Salad Bowl                | NK Lawn and Garden Co.                        | 80       | 90    |
| Lettuce  | Grand Rapids              | American Seed                                 | 80       | 93    |
| Lettuce  | Black Seeded Simpson      | Agway, Inc.                                   | 80       | 97    |
| Lettuce  | Prizehead                 | Agway, Inc.                                   | 80       | 96    |
| Lettuce  | Rouge D'Hiver             | Seeds of Change                               | 80       | 97    |
| Lettuce  | Long Standing Batavia     | Seeds of Change                               | 80       | 96    |
| Lettuce  | Spring Boquet Mix         | Renee's Garden                                | 80       | 97    |
| Lettuce  | Speckles Amish Butterhead | Shepherd's Garden Seeds                       | 80       | 90    |
| Lettuce  | Galactic Looseleaf        | Shepherd's Garden Seeds                       | 80       | 98    |
| Lettuce  | Kraganer Sommer           | Botanical Interests, Inc.                     | 80       | 99    |
| Lettuce  | Summertime                | Botanical Interests, Inc.                     | 80       | 98    |

Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant               | Variety                  | Seed Company                                  | Standard | Found  |
|---------------------|--------------------------|---|----------|--------|
| Mustard             | Southern Giant Curled    | Charles C. Hart Seed Co.                      | 75       | 89     |
| Mustard             | Green Wave               | New England Seed Co.                          | 75       | 22*    |
| Mustard             | Green Wave               | Comstock, Ferre and Co.                       | 75       | 75     |
| Mustard             | Florida Broadleaf        | NK Lawn and Garden Co.                        | 75       | 81     |
| Mustard             | Tendergreen              | American Seed                                 | 75       | 98     |
| Mustard             | Mizuna                   | Botanical Interests, Inc.                     | 75       | 98     |
| New Zealand spinach |                          | Charles C. Hart Seed Co.                      | 40       | 29     |
| New Zealand spinach |                          | New England Seed Co.                          | 40       | 53     |
| New Zealand spinach |                          | Agway, Inc.                                   | 40       | 92     |
| Okra                | Dwarf Stalk Long Green   | Charles C. Hart Seed Co.                      | 50       | 85     |
| Okra                | Clemson Spineless        | New England Seed Co.                          | 50       | 82     |
| Okra                | Louisiana Green Velvet   | NK Lawn and Garden Co.                        | 50       | 18+78H |
| Okra                | Clemson Spineless        | Agway, Inc.                                   | 50       | 84     |
| Onion               | Evergreen White Bunching | Charles C. Hart Seed Co.                      | 70       | 98     |
| Onion               | Yellow Sweet Spanish     | Charles C. Hart Seed Co.                      | 70       | 93     |
| Onion               | Utah Yellow Spanish      | New England Seed Co.                          | 70       | 86     |
| Onion               | Evergreen White Bunching | W. Atlee Burpee and Co.                       | 70       | 98     |
| Onion               | Evergreen Bunching       | Ferry-Morse Seed Co./Better Homes and Gardens | 70       | 99     |
| Onion               | Walla Walla              | Comstock, Ferre and Co.                       | 70       | 92     |
| Onion               | White Lisbon Bunching    | NK Lawn and Garden Co.                        | 70       | 95     |
| Onion               | White Lisbon Bunching    | American Seed                                 | 70       | 89     |
| Onion               | Candy                    | Agway, Inc.                                   | 70       | 96     |
| Parsley             | Hamburg                  | Charles C. Hart Seed Co.                      | 60       | 68     |
| Parsley             | Moss Curled              | New England Seed Co.                          | 60       | 61     |
| Parsley             | Hamburg                  | Comstock, Ferre and Co.                       | 60       | 85     |
| Parsley             | Italian Plain Leaf       | Agway, Inc.                                   | 60       | 72     |
| Parsnip             | Hollow Crown             | Charles C. Hart Seed Co.                      | 60       | 92     |
| Parsnip             | Hollow Crown             | W. Atlee Burpee and Co.                       | 60       | 90     |
| Parsnip             | All American             | Agway, Inc.                                   | 60       | 91     |
| Pea                 | Sugar Daddy Snap         | Charles C. Hart Seed Co.                      | 80       | 90     |
| Pea                 | Freezonia                | Charles C. Hart Seed Co.                      | 80       | 98     |
| Pea                 | Laxton's Progress        | New England Seed Co.                          | 80       | 97     |
| Pea                 | Tall Telephone           | New England Seed Co.                          | 80       | 91     |
| Pea                 | Sugar Snap               | W. Atlee Burpee and Co.                       | 80       | 96     |
| Pea                 | Melting Sugar            | Ferry-Morse Seed Co./Better Homes and Gardens | 80       | 80     |
| Pea                 | Dwarf Gray Sugar         | Comstock, Ferre and Co.                       | 80       | 97     |
| Pea                 | Telephone                | Comstock, Ferre and Co.                       | 80       | 97     |
| Pea                 | Sugar Snap               | Livingston Seed Co.                           | 80       | 98     |
| Pea                 | Little Marvel            | NK Lawn and Garden Co.                        | 80       | 94     |
| Pea                 | Sugar Sprint             | NK Lawn and Garden Co.                        | 80       | 88     |
| Pea                 | Mr. Big                  | Agway, Inc.                                   | 80       | 95     |
| Pea                 | Sugar Snap               | Agway, Inc.                                   | 80       | 98     |
| Pea                 | Cascadia Bush Snap       | Seeds of Change                               | 80       | 95     |
| Pea                 | French Citadel           | Renee's Garden                                | 80       | 99     |
| Pea                 | Sugar Sprint             | Shepherd's Garden Seeds                       | 80       | 99     |
| Pea                 | Progress No. 9           | Botanical Interests, Inc.                     | 80       | 98     |

Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant    | Variety                      | Seed Company                                  | Standard | Found |
|----------|------------------------------|---|----------|-------|
| Pepper   | California Wonder            | Charles C. Hart Seed Co.                      | 55       | 65    |
| Pepper   | Marconi Rosso                | Charles C. Hart Seed Co.                      | 55       | 58    |
| Pepper   | Red Cherry Hot               | Charles C. Hart Seed Co.                      | 55       | 56    |
| Pepper   | Garden Salsa                 | New England Seed Co.                          | 55       | 76    |
| Pepper   | Red Beauty                   | New England Seed Co.                          | 55       | 71    |
| Pepper   | Large Red Cayenne            | New England Seed Co.                          | 55       | 83    |
| Pepper   | Jalapeno                     | W. Atlee Burpee and Co.                       | 55       | 91    |
| Pepper   | Sweet Banana                 | W. Atlee Burpee and Co.                       | 55       | 73    |
| Pepper   | Serrano Chili                | Ferry-Morse Seed Co./Better Homes and Gardens | 55       | 76    |
| Pepper   | Cubanelle                    | Comstock, Ferre and Co.                       | 55       | 87    |
| Pepper   | Scotch Bonnet                | Comstock, Ferre and Co.                       | 55       | 65    |
| Pepper   | Mulato Isleno                | Comstock, Ferre and Co.                       | 55       | 83    |
| Pepper   | Jalapeno                     | NK Lawn and Garden Co.                        | 55       | 72    |
| Pepper   | Jupiter                      | NK Lawn and Garden Co.                        | 55       | 51    |
| Pepper   | Staddon's Select             | Agway, Inc.                                   | 55       | 73    |
| Pepper   | Sweet Banana                 | Agway, Inc.                                   | 55       | 62    |
| Pepper   | Jalapeno                     | Seeds of Change                               | 55       | 78    |
| Pepper   | Cayenne Mix (red and yellow) | Renee's Garden                                | 55       | 78    |
| Pepper   | Serrano Tampiqueno           | Botanical Interests, Inc.                     | 55       | 83    |
| Pepper   | Marconi Golden               | Botanical Interests, Inc.                     | 55       | 86    |
| Pumpkin  | Connecticut Field            | Charles C. Hart Seed Co.                      | 75       | 91    |
| Pumpkin  | Jack Lantern                 | New England Seed Co.                          | 75       | 92    |
| Pumpkin  | Howden                       | Comstock, Ferre and Co.                       | 75       | 87    |
| Pumpkin  | Big Max                      | Comstock, Ferre and Co.                       | 75       | 87    |
| Pumpkin  | Big Max                      | NK Lawn and Garden Co.                        | 75       | 87    |
| Pumpkin  | Ichabod                      | Agway, Inc.                                   | 75       | 95    |
| Radish   | White Icicle                 | New England Seed Co.                          | 75       | 100   |
| Radish   | French Breakfast             | New England Seed Co.                          | 75       | 96    |
| Radish   | Cherry Belle                 | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 96    |
| Radish   | China Rose                   | Comstock, Ferre and Co.                       | 75       | 99    |
| Radish   | Sparkler White Tip           | Livingston Seed Co.                           | 75       | 95    |
| Radish   | Sparkler White Tip           | American Seed                                 | 75       | 96    |
| Radish   | Champion                     | Agway, Inc.                                   | 75       | 100   |
| Rutabaga | Imp. Purple Top Yellow       | New England Seed Co.                          | 75       | 93    |
| Rutabaga | American Purple Top          | Agway, Inc.                                   | 75       | 97    |
| Sage     | Broad Leaf                   | New England Seed Co.                          | 60       | 92    |
| Soybean  | Edamame Tohya                | Botanical Interests, Inc.                     | 75       | 59*   |
| Spinach  | Melody Hybrid                | New England Seed Co.                          | 60       | 90    |
| Spinach  | Bloomsdale Long Standing     | Ferry-Morse Seed Co./Better Homes and Gardens | 60       | 71    |
| Spinach  | Bloomsdale                   | Comstock, Ferre and Co.                       | 60       | 84    |
| Spinach  | Bloomsdale Long Standing     | Livingston Seed Co.                           | 60       | 77    |
| Spinach  | Indian Summer Hybrid         | NK Lawn and Garden Co.                        | 60       | 84    |
| Spinach  | Noble                        | American Seed                                 | 60       | 95    |
| Spinach  | Melody                       | Agway, Inc.                                   | 60       | 94    |



Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant       | Variety                     | Seed Company                                  | Standard | Found |
|-------------|-----------------------------|---|----------|-------|
| Spinach     | Catalina                    | Renee's Garden                                | 60       | 88    |
| Spinach     | Nordic IV                   | Shepherd's Garden Seeds                       | 60       | 92    |
| Squash      | Buttercup Bush              | Charles C. Hart Seed Co.                      | 75       | 94    |
| Squash      | Straightneck                | Charles C. Hart Seed Co.                      | 75       | 94    |
| Squash      | Table Queen                 | Charles C. Hart Seed Co.                      | 75       | 81    |
| Squash      | Buttercup                   | New England Seed Co.                          | 75       | 90    |
| Squash      | Goldrush                    | New England Seed Co.                          | 75       | 83    |
| Squash      | Zucchini, Ambassador        | New England Seed Co.                          | 75       | 81    |
| Squash      | Patty Pan, Early White Bush | W. Atlee Burpee and Co.                       | 75       | 97    |
| Squash      | Dixie Hybrid                | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 84    |
| Squash      | Zucchini, Black Beauty      | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 90    |
| Squash      | Spaghetti                   | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 90    |
| Squash      | Early Prolific Straightneck | Comstock, Ferre and Co.                       | 75       | 94    |
| Squash      | Zucchini, Ambassador        | Comstock, Ferre and Co.                       | 75       | 85    |
| Squash      | Blue Hubbard                | Comstock, Ferre and Co.                       | 75       | 76    |
| Squash      | Early Crookneck Summer      | Livingston Seed Co.                           | 75       | 92    |
| Squash      | Buttercup                   | NK Lawn and Garden Co.                        | 75       | 88    |
| Squash      | Early Summer Crookneck      | NK Lawn and Garden Co.                        | 75       | 95    |
| Squash      | Ambercup                    | Agway, Inc.                                   | 75       | 70    |
| Squash      | Zucchini, Black Beauty      | Agway, Inc.                                   | 75       | 90    |
| Squash      | Enterprise                  | Agway, Inc.                                   | 75       | 97    |
| Squash      | Zucchini, Italian Romanesco | Renee's Garden                                | 75       | 85    |
| Swiss chard | Bright Lights               | Comstock, Ferre and Co.                       | 65       | 81    |
| Swiss chard | Fordhook Giant              | Agway, Inc.                                   | 65       | 82    |
| Tomatillo   | Toma Verde                  | Comstock, Ferre and Co.                       | 50       | 96    |
| Tomato      | Red Cherry                  | Charles C. Hart Seed Co.                      | 75       | 86    |
| Tomato      | Jet Star                    | Charles C. Hart Seed Co.                      | 75       | 96    |
| Tomato      | Big Beef                    | Charles C. Hart Seed Co.                      | 75       | 90    |
| Tomato      | Lemon Boy                   | New England Seed Co.                          | 75       | 78    |
| Tomato      | Big Boy                     | New England Seed Co.                          | 75       | 86    |
| Tomato      | Super Beefsteak             | W. Atlee Burpee and Co.                       | 75       | 94    |
| Tomato      | Roma                        | W. Atlee Burpee and Co.                       | 75       | 82    |
| Tomato      | Rutgers                     | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 88    |
| Tomato      | Red Cherry, Large Fruited   | Ferry-Morse Seed Co./Better Homes and Gardens | 75       | 93    |
| Tomato      | Better Boy                  | Comstock, Ferre and Co.                       | 75       | 95    |
| Tomato      | Marglobe Supreme            | Comstock, Ferre and Co.                       | 75       | 66    |
| Tomato      | Jubilee                     | NK Lawn and Garden Co.                        | 75       | 76    |
| Tomato      | Beefsteak                   | American Seed                                 | 75       | 82    |
| Tomato      | Heinz 1370                  | Agway, Inc.                                   | 75       | 91    |
| Tomato      | Roma VF                     | Agway, Inc.                                   | 75       | 88    |
| Tomato      | Amish Paste                 | Botanical Interests, Inc.                     | 75       | 91    |
| Turnip      | Purple Top White Globe      | Charles C. Hart Seed Co.                      | 80       | 95    |
| Turnip      | Purple Top White Globe      | W. Atlee Burpee and Co.                       | 80       | 98    |
| Turnip      | Seven Top                   | Ferry-Morse Seed Co./Better Homes and Gardens | 80       | 100   |
| Turnip      | White Egg                   | Comstock, Ferre and Co.                       | 80       | 96    |

Table 1. Germination of vegetable seeds. (continued). Standards are provided by the rules and regulations of the Federal Seed Act. \* = Does not meet label claim. H= Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Plant      | Variety                | Seed Company                                  | Standard | Found |
|------------|------------------------|---|----------|-------|
| Turnip     | Purple Top White Globe | American Seed                                 | 80       | 97    |
| Turnip     | Seven Top              | Botanical Interests, Inc.                     | 80       | 98    |
| Watercress |                        | New England Seed Co.                          | 40       | 89    |
| Watercress |                        | Shepherd's Garden Seeds                       | 40       | 79    |
| Watermelon | Sugar Baby             | Charles C. Hart Seed Co.                      | 70       | 95    |
| Watermelon | Sugar Baby             | New England Seed Co.                          | 70       | 94    |
| Watermelon | Sugar Baby             | Ferry-Morse Seed Co./Better Homes and Gardens | 70       | 97    |
| Watermelon | Crimson Sweet          | Comstock, Ferre and Co.                       | 70       | 92    |

Table 2. Summary for each seed company of total number of germination claims and the percentage that met or failed label claims.

| Seed Company                                 | Total Number of Claims | % Meeting Claims | % Not Meeting Claims |
|--|------------------------|------------------|----------------------|
| Agway, Inc.                                  | 39                     | 100              | 0                    |
| American Seed                                | 14                     | 100              | 0                    |
| Botanical Interests, Inc.                    | 16                     | 94               | 6                    |
| Charles C. Hart Seed Co.                     | 50                     | 100              | 0                    |
| Comstock, Ferre & Co.                        | 50                     | 100              | 0                    |
| Ferry-Morse Seed Co./ Better Homes & Gardens | 24                     | 100              | 0                    |
| Livingston Seed Co.                          | 9                      | 100              | 0                    |
| New England Seed Co.                         | 48                     | 98               | 2                    |
| NK Lawn and Garden Co.                       | 24                     | 100              | 0                    |
| Renee's Garden                               | 8                      | 100              | 0                    |
| Seeds of Change                              | 7                      | 100              | 0                    |
| Shepherd's Garden Seeds                      | 12                     | 100              | 0                    |
| W. Atlee Burpee and Co.                      | 25                     | 100              | 0                    |

Table 3. Summary by vegetable type of number of samples tested, average percent germination found, and germination standards. Standards are provided for by the rules and regulations of the Federal Seed Act.

| Plant               | Samples Tested | Standard | Average Germination |
|---------------------|----------------|----------|---------------------|
| Artichoke           | 2              | 60       | 63                  |
| Asparagus           | 1              | 70       | 90                  |
| Bean                | 22             | 70       | 94                  |
| Bean, lima          | 3              | 70       | 77                  |
| Beet                | 7              | 65       | 87                  |
| Broccoli            | 7              | 75       | 88                  |
| Brocoliraab         | 1              | 75       | 97                  |
| Brussels sprouts    | 4              | 70       | 94                  |
| Cabbage             | 6              | 75       | 88                  |
| Cantaloupe          | 6              | 75       | 95                  |
| Carrot              | 12             | 55       | 79                  |
| Cauliflower         | 7              | 75       | 95                  |
| Celery              | 3              | 55       | 69                  |
| Chicory             | 3              | 65       | 84                  |
| Chinese cabbage     | 2              | 75       | 97                  |
| Collards            | 4              | 80       | 94                  |
| Corn                | 18             | 75       | 97                  |
| Cornsalad           | 1              | 70       | 85                  |
| Cowpea              | 1              | 75       | 72                  |
| Cress               | 1              | 60       | 97                  |
| Cucumber            | 16             | 80       | 96                  |
| Dill                | 5              | 60       | 83                  |
| Eggplant            | 8              | 60       | 87                  |
| Endive              | 4              | 70       | 90                  |
| Kale                | 5              | 75       | 96                  |
| Kohlrabi            | 4              | 75       | 97                  |
| Leek                | 4              | 60       | 94                  |
| Lettuce             | 25             | 80       | 96                  |
| Mustard             | 6              | 75       | 77                  |
| New Zealand spinach | 3              | 40       | 58                  |
| Okra                | 3              | 50       | 87                  |
| Onion               | 9              | 70       | 94                  |
| Parsley             | 4              | 60       | 72                  |
| Parsnip             | 3              | 60       | 91                  |
| Pea                 | 17             | 80       | 95                  |
| Pepper              | 20             | 55       | 73                  |
| Pumpkin             | 6              | 75       | 90                  |
| Radish              | 7              | 75       | 97                  |
| Rutabaga            | 2              | 75       | 95                  |
| Sage                | 1              | 60       | 92                  |
| Soybean             | 1              | 75       | 59                  |
| Spinach             | 9              | 60       | 86                  |
| Squash              | 20             | 75       | 88                  |
| Swiss chard         | 2              | 65       | 82                  |
| Tomatillo           | 1              | 50       | 96                  |
| Tomato              | 16             | 75       | 86                  |
| Turnip              | 6              | 80       | 97                  |
| Watercress          | 2              | 40       | 84                  |
| Watermelon          | 4              | 70       | 95                  |

Table 4. Germination and purity of lawn seed. Results for purity and germination are for seeds separated by genus and not by species or variety are reported for that genus. Tolerance (Tol) is calculated according to the rules for seed testing published by the Association of Official Seed Analysts (AOSA). Variance (Var) is calculated as Purity Found (Purity F) minus Purity Claimed (Purity C). Germination Claimed (Germ C): Germination Found (Germ F); H=Seeds remained hard at the end of the test period because they did not absorb water due to an impermeable seed coat.

| Seed Company/Seed Mixture   | Purity |       |       |       | Germ. |       |
|---|--------|-------|-------|-------|-------|-------|
|   | C      | F     | Var.  | Tol.  | C     | F     |
| <i>Lebanon Seaboard Corp. Mackey's Premium Finest Mixture</i>         |        |       |       |       |       |       |
| Raven Kentucky Bluegrass  | 24.80  | 27.27 | 2.47  | 3.12  | 85    | 92    |
| Affinity Perennial Ryegrass   | 19.64  |       |       |       | 90    | 95    |
| Dimension Perennial Ryegrass  | 19.38  |       |       |       | 90    | 95    |
| Elegance Perennial Ryegrass   | 19.01  |       |       |       | 90    | 95    |
| total Ryegrass  | 58.03  | 57.59 | -0.44 | 4.53  |       |       |
| Red Creeping Fescue   | 14.56  | 13.36 | -1.20 | 2.95  | 85    | 83    |
| <i>Lebanon Seaboard Corp. Proscapa Equus Pasture Mixture</i>          |        |       |       |       |       |       |
| Kentucky Bluegrass  | 25.50  |       |       |       | 85    | 86    |
| Raven Kentucky Bluegrass  | 14.98  |       |       |       | 85    | 86    |
| total Kentucky Bluegrass  | 40.48  | 41.91 | 1.43  | 3.83  |       |       |
| Granddaddy Tetraploid Perennial Ryegrass                              | 19.61  | 14.03 | -5.58 | 4.97* | 90    | 90    |
| Timothy   | 19.98  | 21.88 | 1.90  | 2.86  | 90    | 91    |
| Alfalfa   | 14.93  | 15.79 | 0.86  | 4.80  | 80+5  | 93+1H |
| White Clover  | 4.96   | 4.91  | -0.05 | 1.91  | 80+5  | 92+6H |
| <i>New England Seed Co. Putnam Co-op Conservation Mix</i>             |        |       |       |       |       |       |
| Perennial Ryegrass  | 19.26  |       |       |       | 90    | 96    |
| Annual Ryegrass   | 19.97  |       |       |       | 90    | 96    |
| total Ryegrass  | 39.23  | 42.02 | 2.79  | 3.79  |       |       |
| Creeping Red Fescue   | 19.70  | 20.00 | 0.30  | 2.76  | 85    | 87    |
| Tall Fescue   | 33.96  | 29.08 | -4.88 | 3.78* | 85    | 94    |
| White Clover  | 4.95   | 5.21  | 0.26  | 1.11  | 85    | 96+2H |
| <i>Pennington Seed Inc. Frank's Dense Shade Premium Grass Mixture</i> |        |       |       |       |       |       |
| South Dakota Kentucky Bluegrass                                       | 9.50   | 14.38 | 4.88  | 1.55* | 85    | 84    |
| Shining Star Perennial Ryegrass                                       | 24.00  | 22.50 | -1.50 | 4.12  | 90    | 96    |
| Boreal Red Fescue   | 44.00  |       |       |       | 85    | 84    |
| Flyer Creeping Red Fescue   | 9.50   |       |       |       | 85    | 84    |
| Tiffany Chewings Fescue   | 9.50   |       |       |       | 85    | 84    |
| total Fine Fescue   | 63.00  | 61.30 | -1.70 | 3.33  |       |       |
| <i>Chas. C. Hart Seed Co. Harts Evergreen Lawn Seed Mixture</i>       |        |       |       |       |       |       |
| Kentucky Bluegrass  | 17.72  | 22.90 | 5.18  | 2.44* | 80    | 71    |
| Elf Perennial Ryegrass  | 19.71  |       |       |       | 90    | 97    |
| Express Perennial Ryegrass  | 19.56  |       |       |       | 90    | 97    |
| Annual Ryegrass   | 19.67  |       |       |       | 90    | 97    |
| total ryegrass  | 58.94  | 56.77 | -2.17 | 4.19  |       |       |
| Creeping Red Fescue   | 19.49  | 18.09 | -1.40 | 2.76  | 85    | 87    |
| <i>Chas. C. Hart Seed Co. Harts Northeastern Lawn Seed Mixture</i>    |        |       |       |       |       |       |
| Kentucky Bluegrass  | 17.71  | 23.92 | 6.21  | 2.49* | 80    | 75    |
| Perennial Ryegrass  | 38.98  |       |       |       | 90    | 94    |
| Annual Ryegrass   | 29.37  |       |       |       | 90    | 94    |
| total Ryegrass  | 68.35  | 65.37 | -2.98 | 3.51  |       |       |
| Creeping Red Fescue   | 9.80   | 8.88  | -0.92 | 2.06  | 85    | 90    |

|   |                                   |       |       |       |       |    |    |
|---|-----------------------------------|-------|-------|-------|-------|----|----|
| Blue Seal Feeds, Inc. <i>Blue Seal Early Green Lawn Mixture</i> |                                   |       |       |       |       |    |    |
|   | Kentucky Bluegrass                | 10.41 | 18.43 | 8.02  | 1.87* | 85 | 91 |
|   | Top Hat Perennial Ryegrass        | 51.13 |       |       |       | 90 | 94 |
|   | Annual Ryegrass                   | 10.43 |       |       |       | 90 | 94 |
|   | total Ryegrass                    | 61.56 | 56.09 | -5.47 | 4.19* |    |    |
|   | Creeping Red Fescue               | 26.23 | 24.34 | -1.89 | 3.04  | 85 | 93 |
| Blue Seal Feeds, Inc. <i>Blue Seal Classic Lawn Mixture</i>     |                                   |       |       |       |       |    |    |
|   | Kentucky Bluegrass                | 34.61 | 41.02 | 6.41  | 3.94* | 85 | 90 |
|   | Accent Perennial Ryegrass         | 19.29 |       |       |       | 85 | 96 |
|   | Top Hat Perennial Ryegrass        | 19.73 |       |       |       | 90 | 96 |
|   | total Ryegrass                    | 39.02 | 36.13 | -2.89 | 5.38  |    |    |
|   | Creeping Red Fescue               | 24.92 | 21.06 | -3.86 | 4.12  | 85 | 92 |
| Barenbrug, USA <i>Landscape Mixture</i>                         |                                   |       |       |       |       |    |    |
|   | Kentucky Bluegrass                | 8.65  | 13.23 | 4.58  | 1.50* | 80 | 76 |
|   | Perennial Ryegrass                | 44.42 |       |       |       | 85 | 97 |
|   | Pirouette Perennial Ryegrass      | 19.36 |       |       |       | 85 | 97 |
|   | total Ryegrass                    | 63.78 | 60.93 | -2.58 | 3.46  |    |    |
|   | Creeping Red Fescue               | 24.61 | 22.76 | -1.85 | 2.96  | 85 | 85 |
| Lesco, Inc. <i>Team Mates Mixture</i>                           |                                   |       |       |       |       |    |    |
|   | Allsport Perennial Ryegrass       | 19.46 | 20.19 | 0.73  | 2.76  | 90 | 96 |
|   | Titan II Tall Fescue              | 29.87 |       |       |       | 90 | 89 |
|   | Bravo Tall Fescue                 | 24.83 |       |       |       | 90 | 89 |
|   | Cimarron Tall Fescue              | 24.68 |       |       |       | 90 | 89 |
|   | total Tall Fescue                 | 79.38 | 78.46 | -0.92 | 2.86  |    |    |
| The Scotts Co. <i>Scotts Fall Seeding Mix</i>                   |                                   |       |       |       |       |    |    |
|   | Kenblue Kentucky Bluegrass        | 9.85  | 13.21 | 3.36  | 1.47* | 85 | 86 |
|   | Grasslands NUI Perennial Ryegrass | 59.03 |       |       |       | 90 | 95 |
|   | Gulf Perennial Ryegrass           | 9.85  |       |       |       | 90 | 95 |
|   | total Perennial Ryegrass          | 68.88 | 67.49 | -1.39 | 3.34  |    |    |
|   | Boreal Creeping Red Fescue        | 19.24 | 17.76 | -1.48 | 2.76  | 85 | 87 |
| Agribiotech <i>Connecticut Mixture</i>                          |                                   |       |       |       |       |    |    |
|   | Kentucky Bluegrass                | 17.00 | 18.79 | 1.79  | 2.07  | 80 | 81 |
|   | Palmer II Perennial Ryegrass      | 66.85 | 68.14 | 1.29  | 3.51  | 90 | 88 |
|   | Chewings Fescue                   | 9.80  | 8.36  | -1.44 | 1.96  | 85 | 87 |

Table 5. Germination and purity of crop seed.

| Seed Mixture | Seed Company             | Purity Claim | Purity Found | Germ. Claim | Germ. Found |
|--------------|--------------------------|--------------|--------------|-------------|-------------|
| Wheat        | Agway, Inc.              | 99.1         | 97.6         | 85          | 98          |
| Rye          | Crop Production Services | 97.6         | 98.9         | 75          | 93          |
| Rye          | Agway, Inc.              | 97.0         | 96.7         | 94          | 87          |
| Rye          | Agway, Inc.              | 97.0         | 99.5         | 94          | 95          |
| Rye          | Semican International    | 99.6         | 99.1         | 90          | 95          |
| Rye          | Agriculver, Inc          | 99.0         | 99.9         | 85          | 96          |

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