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Precision seeds

Euroseeds product specifications
for vegetable precision seeds

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Introduction: Euroseeds product specifications for vegetable precision seeds

Vegetable growing is a highly specialized and intensive activity. Due to the ever-increasing demand for better quality, vegetable growers and plant raisers require seeds to be of high quality.

Seed is a natural product. Variations in environmental conditions can influence the final results. It is therefore often not possible to give exact information on emergence and other physical seed characteristics.

The following product specifications for germination and varietal purity of precision seeds are based upon Euroseeds recommended specifications. They are not intended to be absolute minimum standards for delivery: If the tests of [company X] indicate a lower quality than provided in these specifications, [company X] will inform prospective seed users. These product specifications aim to inform professional seed users of the quality to be expected, in order to enable an informed choice.

To meet the wishes of clients as far as possible [company X] has adopted the Euroseeds product specifications for vegetable seeds marketed as "Precision Seed".

The germination percentages listed are according to ISTA methods and tolerances.

General definitions

- Precision Seed

Precision seed has been subjected to additional processes. It has a uniform size and high germination. Precision seed is sold by count.

- Pellet

Pellet is a product of pelleting which is defined as the process of changing the seed form by covering it with a material, the main purpose being to improve uniformity of size and shape resulting in improved sowing ability. Also, additional ingredients may be added. Pelleted seed is sold by count.

- Germination

Germination is defined as “the emergence and development of the seedling to a stage where the aspect of its essential structures indicates whether it is able to develop further into a satisfactory plant under favorable conditions” (International Seed Testing Association (ISTA), 2004).

- Varietal purity

Varietal purity rate is defined as the percentage of plants from a seed lot that meets the variety description.

Euroseeds product specifications of precision seeds: varietal purity

Crop	Minimum % varietal purity for precision seeds
Asparagus	97
Brassica	93
Cucumber	98
Dwarf bean	97
Climbing bean	97
Broad bean	97
Beetroot (<i>monogerm</i>)	96
Beetroot (<i>multigerm</i>)	96
Carrot	97
Celery / Celeriac (<i>OP</i>)	97
Celery / Celeriac (<i>hybrid</i>)	95
Chicory Witloof	97
Corn salad	97
Eggplant	98
Fennel	95
Leek (<i>OP</i>)	95
Leek (<i>F1</i>)	95
Lettuce (<i>Butter head, Batavia, Iceberg, Cos</i>)	98
Lettuce (<i>other types</i>)	95

Melon	98
Onion	97
Bunching onion	97
Watermelon	98
Parsley	97
Parsley (<i>rooted</i>)	95
Pea	97
Pepper	97
Radish	97
Radish outdoor	97
Squash	97
Sweet corn (<i>normal sugary</i>)	95
Sweet corn (<i>super sweet</i>)	95
Tomato (<i>fresh</i>)	98
Tomato (<i>processing</i>)	95

Euroseeds product specifications of precision seeds: germination

Germination figures relate to ISTA procedures and are valid at the time of despatch.

Crop	Minimum % germination for precision seeds
Asparagus	85
Brassica <i>Seed size gradation: 0,20 - 0,25 mm</i>	90
Dwarf bean <i>1 unit: 100 000 seeds</i>	85
Climbing bean	95
Broad bean <i>1 unit: 25 000 seeds</i>	85
Beetroot (monogerm)	80
Beetroot (multigerm) <i>Seed size gradation: 0,50 mm</i>	90
Carrot <i>Seed size gradation: 0,20 mm</i>	85
Celery / Celeriac	90 *
Chicory Witloof <i>Seed size gradation: 0,20 – 0,25 mm</i>	85 *
Corn salad <i>Seed size gradation: 0,20 – 0,25 mm</i>	85

Cucumber (<i>outdoor pickling</i>)	88
Cucumber (<i>all other cucumbers</i>)	92
Eggplant	90
Endive	90 (pellets: 92%)
Fennel <i>Seed size gradation: 0,20 – 0,50 mm</i>	90 *
Leek (<i>OP</i>) <i>Seed size gradation: 0,20 – 0,25 mm</i>	90 *
Leek (<i>F1</i>) <i>Seed size gradation: 0,20 – 0,25 mm</i>	85 *
Lettuce	93 (pellets: 95%)
Melon (<i>Charentais type</i>)	95
Melon (<i>other types</i>)	90
Onion <i>Seed size gradation: 2,00 – 2,75 mm</i> <i>1 unit: 250 000 seeds</i>	90
Bunching Onion <i>Seed size gradation: 0,25 mm</i> <i>1 unit: 250 000 seeds</i>	90
Parsley <i>Seed size gradation: 0,20 – 0,25 mm</i>	87
Pea	85 - 88
Radicchio / Sugarloaf	88 *
Radish	92

Scorzonera	80
Spinach <i>Seed size gradation: 0,75 mm</i>	85
Sweet corn (normal sugary)	90
Sweet corn (super sweet)	85
Sweet / Hot pepper	90
Squash	92
Tomato	92
Watermelon (normal type)	90
Watermelon (seedless type)	85

* Germination percentage also applies for the pelleted seeds



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