

Variety List Seed Onions 2025

Characteristics and Yields of (Yellow) Onion Varieties Grown on CLAY SOIL
Table sorted by earliness; results are averages from the trial years 2018 to 2023.

Variety	Earliness ¹⁾	Shape ²⁾	Uniformity	Skin retention	Firmness-index ⁵⁾	Dry-matter	Single-centred index ⁷⁾	Dormancy ⁸⁾	Net yield	
									South-west	Middle
Nation	7,6	1,8	2,5	99	95	96	66	5,6	96	99
Novista	7,4	1,9	2,5	98	89	97	47	5,5	91	91
SV 3557 ND	7,4	1,8	2,4	99	97	99	83	5,6	101	92
Hypark	7,3	2,0	2,7	99	94	98	81	5,3	98	99
Paradiso	7,1	1,8	2,6	101	112	98	68	5,6	96	90
Centro	7,0	1,9	2,5	99	97	100	76	5,4	100	96
Viggo	6,9	1,8	2,4	99	98	97	72	5,0	102	96
Hybound	6,9	1,8	2,6	100	96	99	80	5,5	101	105
Bruce	6,8	2,0	2,6	99	94	104	48	5,7	97	91
Rockito	6,6	1,8	2,6	102	107	98	82	5,6	96	92
Firmo	6,6	1,9	2,5	100	108	103	60	5,5	92	91
Klondike 4400	6,6	1,9	2,4	99	98	101	56	5,2	97	97
Hyroad	6,5	1,9	2,8	101	102	104	84	5,6	100	101
Bingo	6,5	1,9	2,4	100	93	102	57	5,2	98	100
Hybelle	6,4	1,9	2,6	100	98	99	81	5,3	104	109
Dormo	6,4	1,9	2,6	101	114	100	72	5,5	99	99
Hyway	6,3	1,9	2,6	99	95	101	82	5,5	101	106
Promotion	6,3	1,9	2,6	100	98	97	69	5,4	99	106
Motion	6,2	1,9	2,6	101	97	97	72	5,3	101	104
Donna	6,1	1,9	2,3	100	94	100	82	5,3	107	109
Hyfive	5,7	1,8	2,6	101	102	101	83	5,3	103	102
Hystore	5,4	1,9	2,3	100	99	102	74	5,4	103	102
Delta Gigant	5,4	1,8	2,4	101	110	96	80	5,9	111	111
Hoza ¹⁰⁾	5,2	1,9	2,3	101	105	104	83	5,3	101	102
100=				5,8	5,7	11,3			61,8	59,0

100 = average

Clay

Characteristics and Yields of (Yellow) Onion Varieties Grown on SAND SOIL
Table sorted by earliness; results are averages from the trial years 2021 to 2023.

Ras	Vroegheid ¹⁾	Vorm ²⁾	Uniformiteit ³⁾	Huid-vastheid ⁴⁾	Hardheids-index ⁵⁾	Ds-gehalte ⁶⁾ (relatief)	Eén-kernigheids index ⁷⁾	Spruitrust ⁸⁾	Netto opbrengst ⁹⁾	
									South-west	Middle
Nation	7,2	1,5	2,2	99	97	100	81	4,8		99
SV 3557 ND	7,2	1,6	1,8	96	97	100	89	5,4		99
Vento	6,6	1,8	2,4	101	108	101	82	5,0		98
Fasto	6,6	1,7	2,2	102	100	95	81	5,1		98
Hyroad	6,5	1,8	2,3	102	107	103	93	6,3		101
Hybound	6,4	1,7	2,4	101	96	99	93	5,3		106
Bingo	5,9	1,7	2,0	99	97	100	73	4,8		98
Firmo	5,5	1,9	2,2	99	109	101	75	5,5		101
Bruce	5,5	1,7	2,5	101	97	102	67	6,1		99
Rockito	5,1	1,7	2,6	102	109	100	93	5,0		101
Tina	4,9	1,7	2,0	99	97	96	85	4,7		94
Promotion	4,7	1,5	2,0	104	99	99	78	5,2		103
100=				5,6	5,2	10,8				64,7

100 = average

Sand

Explanation:

1. Earliness: Based on leaf-top down; higher = earlier
2. Shape index:
 - 1.0-1.3 = high-round
 - 1.4-1.6 = high-round to round
 - 1.7-2.0 = round
 - 2.1+ = round to flat-round
3. Uniformity:
 - 1 = <10% misshaped
 - 3 = >25% misshaped
4. Skin retention: Higher = better (100 = average of all varieties)

5. Firmness index: Higher = firmer (100 = average)
6. Dry matter: Relative to average (100 = average)
7. Single-centered index: Percentage with one or closely positioned two centers
8. Sprouting dormancy: Higher = better sprout resistance
9. Net yield: After short (Jan) or long (May) storage, >35mm, excluding rots and peel loss (100 = average)
10. Seed rate note: Delta Gigant & Hoza sown at +10% seed density as per commercial advicel = harder; 100 = gemiddelde van alle rassen.



Independent Uireka Variety Trials

In 2023, the seed onion variety trials were conducted as part of the independent Uireka research, organized by the Onion Association within the Uireka project. This year, the trials were carried out at three locations: one in Central Netherlands, one in Southwest Netherlands, and one in Northeast Netherlands. The summarized results can be found in this leaflet. Data from previous years were also used in compiling this variety report.

Setup

The trials were conducted according to a protocol that involved continuous input from processors, growers, and seed companies. The research was carried out at three locations: Ovezande (Southwest NL), Biddinghuizen (Central NL), and Schoonloo (Northeast NL). Each variety was tested in three replications.

To assess the quality characteristics of the onions, a professional grading and packing installation was used. In 2023, one cubic box (approximately 1 m³) of onions per variety per location was processed and sampled for further analysis.

Field Data

Sowing was carried out under favorable conditions at all locations: April 19 in Southwest NL, May 3 in Central NL, and May 4 in Northeast NL. Standard commercial seed was used. Each variety was sown with the same number of units — 4 units per variety.

For each variety at each location, three plots were sown: 20 m² plots for yield measurement and 400 m² plots for quality sampling after storage. All varieties were treated for sprout inhibition at the appropriate time. Harvest dates were as follows: September 14 in Central NL, September 12 in Southwest NL, and October 4 in Northeast NL.

Grading and Evaluation

On February 10, the onions from Central NL and Northeast NL were taken out of storage and graded. The onions from Southwest NL were taken out of storage on March 19. Grading was limited to the removal of non-onion material. The tare weight was determined by the evaluation committee.

The onions were subsequently evaluated by a panel of experts on February 14 and March 22. After grading, the varieties were assessed for: firmness, skin retention, shape, single-centeredness, uniformity, and overall impression. In addition, dry matter content, sprouting susceptibility, and yield were measured.

Regional Yields

The net yields refer to the yield after storage and post-harvest processing — in other words, the yield “out of the shed.” The yield figures represent the total average across all years a variety was tested in each region.

Conclusion

This year, seed onions were once again tested at three locations. Data from previous trials, conducted by UIKC, have also been incorporated into the figures. The variety list is part of the Uireka project. We gratefully acknowledge the cooperation of participating seed companies, onion processors, and the GroentenFruit Huis.

Further Information

More information can be found at: www.uireka.nl.

We hope this serves as a useful guide for onion growers and the wider onion sector in making informed variety choices. It is not possible to include all data in this variety report. More detailed information on the methodology and results can be obtained from the participating organizations.

In 2024, this research has continued at three locations once again — in Southwest, Central, and Northeast Netherlands!