




nunhems®

CABBAGE ASSORTMENT NUNHEMS



The vegetable seed business of Bayer CropScience operates under the brand Nunhems. Nunhems is the global specialist in vegetable genetics and services. The portfolio of Nunhems consists of varieties of 28 vegetable crops, including leading varieties of carrot, cucumber, leek, lettuce, melon, onion, pepper, tomato, and watermelon. With more than 1,800 employees, Nunhems is present in all major vegetable production areas in the world.

Nunhems' global product portfolio has recently expanded further with white cabbage varieties. The cabbage portfolio consists of early, medium and late maturity varieties for fresh consumption and short storage. Nunhems' white cabbage assortment is developed thanks to our intensive and state-of-art breeding program. The varieties offer characteristics to growers that create added value, both on the field and at the market place – this has been proved already during the introduction trials in many countries and seasons in the past years.

In our cabbage breeding program we focus on product characteristics such as earliness, healthiness, uniform heads and a sweet taste, but also to disease and insect resistances.

Since Nunhems' cabbage business is still growing further in Europe, availability of seeds may be subject of local registration process. For more information about our varieties or availability of seeds please contact your Nunhems' contact or the seed shop close to you in Nunhems' network and try one of our new introductions.



SVIREL F1

extra-early variety for indoor and low tunnels

- Extra-early maturity 45-48 days, very uniform in harvesting.
- Compact plant with intensive growth and fast head shaping.
- Uniform, attractive light green colored round head 0,8-1,2 kg, very compact.
- Juicy sweetish taste without bitterness.
- Suitable for growing with high density 7,0-8,0 plant/m².

ANADOL F1

extra-early variety for indoor, low tunnels and covered crop

- Extra-early variety 48-53 days.
- Compact, green coloured plant with intensive growth and high stalk.
- Attractive glossy, green round head with good compactness.
- Average weight of marketable head is 0,9-1,3 kg.
- Adaptable to various conditions, growing levels and suitable for different growing segments.



YANISOL F1

early variety for open field and temporary covers

- Uniform maturing, 60-65 days.
- Widely adapted to various growing conditions with very good performance.
- Dark green, very healthy plant with bluish tint and good wax coating.
- Uniform, very attractive round head, green coloured with gloss 1,5-2,0 kg, very compact and high internal quality.
- Good field holding ability and less susceptible to thrips damages.
- Has very good transportability.



GABRIEL F1

medium variety for hot conditions

- 70-75 days maturity.
- Good plant development and head forming under hot weather conditions.
- Bluish colored vigorous plant with good wax coating and wide frame.
- Round compact head 1,8-3,0 kg with white flesh, small core and high quality.
- Suitable for both spring and summer transplanting.
- Less susceptible to thrips damages.

AQUAREL F1

medium-late variety for fresh market and storage

- 90-95 days, very uniform in ripening.
- Open plant frame with upright leaves and high stalk that provide good ventilation and give possibility to use higher plant density.
- Healthy, green plant with silver tint and good wax coating.
- Round, compact head 2,0-4,0 kg with nice appearance and long field holding ability up to 4 weeks after getting full maturing.
- Less susceptible to thrips damages and fusarium.
- Suitable for storage during 3-4 months in case of summer transplanting.



NUN 0115

- Medium-early variety 70-75 days.
- Dark green, healthy plant with good wax coating, erect leaves and medium sized compact frame.
- Very uniform round head, dense with small core and good internal structure, average head weight is 1,7-3,0 kg.
- Flexible in head size according the used plant density and adaptable for growing with high plant density.





Grower's testimonials Hungary



Proksa Csaba, Bugyi

I am really happy that I've tried Gabriel F1. This variety survived swelter easily and made heads with 1,5-2,0 kg. The field holding ability is quite good in its segment. I did not find trips inside plus caterpillars do not like it. The other varieties were attacked, but this one wasn't. The attractive and round heads suit the fresh market needs. Cover leaves are flat with small veins. Appropriate for fresh market and processing.

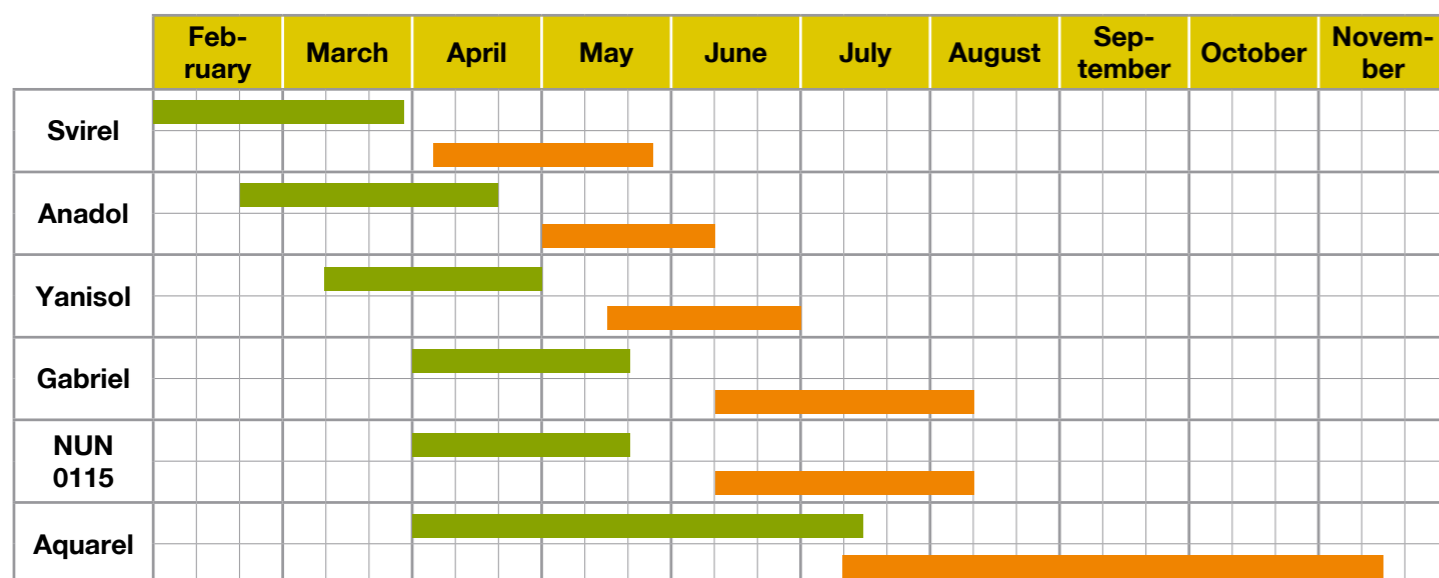
Király Lászlóné Marika, Bordány

Yanisol F1 is the most beautiful in segment of 60 days. It is uniform and has a nice color of base leaves of bluish color with a good wax layer on it and heads appeared as pearls in rows. It's easy to cut and put in boxes.

Ternai János, Szegvár

This year was the second one when I tried Svirel F1 and I am going to use only this variety next year. It was transplanted on February 18 under 1 layer of plastic without flees. Although the weather circumstances were really difficult during February and March Svirel F1 has survived it and could grow fast in April. There was no problem with the base rot with Svirel F1 in comparison with other variety. It sits higher and has smaller base leaves and therefore the ventilation is better, stays more dry. Speed, size, weight, color, structure, uniformity is also good.

PRODUCTION CALENDAR



■ Transplant
■ Harvest



Grower's testimonials

Poland

Marek Słota, Chodów

It is a second year when I have Aquarel F1 in my production. It's easy growing variety with nice upright leaves and very good uniformity. After 100 days it was ready to harvest. If it is needed Aquarel F1 can stay on the field up to 4 weeks without breaking. The average head size was on the level of 3,0-3,5 kg, very easy to cut. During this year when summer was dry and hot, this variety shows brilliant behavior in stress weather conditions.

Grzegorz Kwater, Łyszkowice

As a member of PO group I supply with early cabbage one of the major supermarket chain. I deliver cabbage in boxes and one of the requirement of that customer is high external quality and eye-catching product. That is why I choose Yanisol F1 which looks very attractive. Outside leaves are

dark green with bluish tint and 1,5 kg head gives really nice light green glossy view.

Artur Jasonek, Rudno Górne

In 2013 first time in my production I had Anadol F1. Since the beginning this variety present very good and uniform germination. On the field it present also very high uniformity, with nice appearance. After 55 days all heads were mature and ready to cut. Nice upright leaves, thick nerve and compact heads caused it was easy to sell.



Grower's testimonials

Ukraine



Volyik Vladimir, main agronomist of FE «Tavriya Skif»

First time we've tested Yanisol two years ago and were positively surprised with the results. It was decided to continue with Yanisol for 2013 again with bigger surface and we got the same good results. In my opinion this variety is one of the best as of today in the range of 60-65 days. First of all it is very uniform in ripening and head size. Heads are around 2 kg, compact and very attractive what totally suits for the market demands. And what is the most important for me as for a grower - Yanisol shows much better thrips and disease resistance in comparison with other varieties. So, I can say that Yanisol provides stability and security.

Fuschyich Ganna, village Zaricha Zakarpattya

I approach to selection of early cabbage variety very carefully, because its growing is a hard work, but the result has to ensure a profit for the whole family. Therefore I grow only the best and proven varieties, but every year I try novelties. First tried Svirel in low tunnels I immediately noticed, there are a lot of things that make Svirel to be not like traditional varieties are used for growing in our village Zaricha. According to maturity it allows to make harvesting 2-3 days earlier than others. But the most main thing that attracted

me – it is round heads, very compact as for early cabbage and more heavy. With a help of this I could earn additionally several hryvnias per each head. Also I can say with certainty, for today this cabbage hybrid is the most uniform in harvesting. For myself I have already made a conclusion that Svirel – is the hybrid where each plant brings profit.

Brich Ganna, village Zaricha Zakarpattya

Growing Yanisol cabbage I am very satisfied with the results. On our fields the crop rotation is very saturated with cabbage, that is why plants can't avoid the disease problems, but in case of Yanisol it's necessary to emphasize its strong resistance to main cabbage diseases. Starting from even sprouts till the total maturing Yanisol showed very good uniformity. Cabbage uniformity became apparent and during yield harvesting. Heads were within 2 kg, good field holding ability – not crack. But the most important is that there was no need to stay for a long time in the market in order to sell, despite the numerous offers of early cabbages, because Yanisol drew the customers' attention at once due to its very attractive look.

NUNHEMS CABBAGE VARIETIES

Variety name	Vegetation period, days	Plant density, 1000/ha	Head weight, kg	Growing method	Main characteristic feature
SVIREL F1	45-48	55-75	0,8-1,2	△, ∩	extra-early uniform maturing, compact round head, sweetish taste
ANADOL F1	48-53	50-65	0,9-1,3	△, ∩, ≈	adaptable variety, high stalk, intensive plant growth
AIGUL F1	55-60	50-60	1,2-1,7	∩, ≈	very compact head, perfect internal quality, very small core
YANISOL F1	60-65	45-55	1,5-2,0	∞, ≈, ∩	very attractive head appearance, less susceptible to thrips, transportability for long distance
GABRIEL F1	70-75	35-45	1,8-3,0	∞	strong plant, development in hot conditions, less susceptible to thrips
NUN 0115 F1	70-75	38-50	1,7-3,0	∞, ≈	healthy plant, medium sized compact frame, high head uniformity
AQUAREL F1	90-95	35-45	2,0-4,0	∞	open healthy plant with high stalk, flexibility to plant density, storage ability

∩ – low tunnels, △ – indoor, ≈ – fleece, ∞ – open field





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Product illustrations

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