

Seeding machine was calibrated to give 120 seed per meter row.



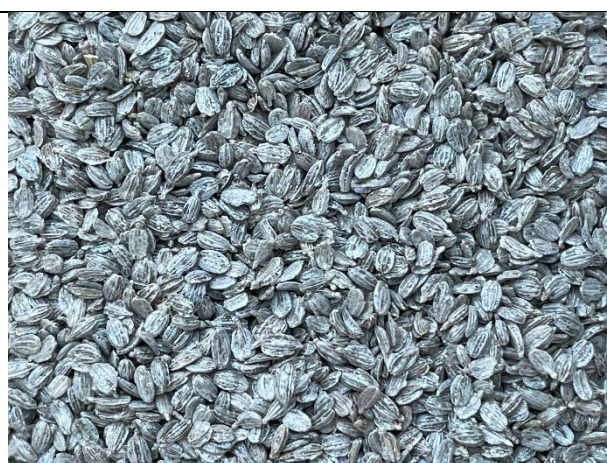


**Germination test by HortiAdvice, March 2023**

Variety	Lot no.	Germination energy	Germination		Remarks
		7 days	14 days	21	
Bollin	19729 L	65	75	79	
Brilliance		55	70	85	Alternaria
Dolciva	20237M	75	75	78	
Maistro		55	70	70	Alternaria
Napoli	1653933	55	75	75	Alternaria
Natuna		55	70	75	
Naval	1710301	50	65	75	
Negovia	1743530	65	75	80	Alternaria
Nentoise	19516 L	70	70	75	
Nipomo	1744059	65	75	75	
Octavo		45	65	70	Even more Alternaria
Romance		30	60	75	
Speedo		25	50	60	Alternaria
Vitella	17384 S	50	75	75	



**Bollin**



**Brilliance F1**





Dolciva



Maestro F1



Milan



Natuna F1



Naval F1



Negovia F1





Octavo F1



Romance F1



Speedo F1



Vitella

Before seeding the beds has been kept stale seedbed (falsk såbed) for two months and kept free of weed by a bed cleaner (bedhøvl). Two days before seeding the field was irrigated and the day before it was cleaned again with bed cleaner.

The soil moisture was near soil capacity at seeding in dry weather and with a dry weather forecast.



28. juni



14. juli





10. august



Some with phytoplasma in Maestro and Natuna.



Some with flower in Maestro.

# Farmer demonstration day 07. Sep. 2023







Vitella



Dolciva



Milan



Bollin



Brilliance



Romance





Nagoya



Speedo



Maestro



Octavo



Natuna



Negovia





Naval

**Demonstration of organic seed of different varieties of carrots. Field assessment 21. September 2023**

Variety	Phytoplasma, pl/m row	Leaf spot, point 0-9, 0 = non	Leaf color, point 1-9, 9=dense canopy	Yield <sup>1)</sup> estimated in field, ton/ha	Taste <sup>2)</sup> , point 1-9, 9=best	Comments
Brilliance	<1	0	8	59	4	Mixed short and long, small and big roots. Mostly short and a bit pointed. No leaf spot.
Dolciva	3	1	6	62	5	Mixed short and long, grooved and smooth. Some with phytoplasma. Few with rhizoctonia. Some with Cavity Spot. Few like scab-like skin on shoulders. Few flowers. Yellow color towards the root tip.
Maestro	1	1	8	63	6	Cylindrical and rounded tip. Even size. Grooved surface, difficult to wash. 0,2 % with flowers in the field.
Natuna	2	1-2	7	75	5	Most is short and conical. Mixed size. Grooved surface and a bit difficult to wash. Some with phytoplasma.
Nagoya	2	2	4	53	5	No roots with diseases. A bit pointed and conical. The color tend to be more pale yellow in the tip. Grooved surface.
Bollin	1	3	7	57	3	Uneven size but most is short and pointed. Few with scab, rhizoctonia and phytoplasma. Yellow roots mixed in the orange roots.
Naval	1	3	8	53	6	Very even size and shape. A bit conical. Few splits and a some cavity spot.
Negovia	<1	3	7	59	5	Short roots. Uneven (short and long) and grooved skin difficult to wash.
Vitella	1	3	6	50	5	Uneven size both pointed and rounded. Few forked. Mix of smooth and grooved difficult to wash.
Romance	<1	4	9	48	7	Smooth surface and easy to wash clean. Cylindrical. Uneven length but most is large long and strait.
Octavo	<1	5	5	58	5	Short thick roots. Smooth skin easy to wash. Few with phytoplasma.
Speedo	1	5	7	65	7	Nice uniform size. Large roots a bit overmature caused by low density. Rounded tips. Few with Rhizoctonia.
Milan	3-4	6	6	62	5	Uneven in size. Some strait and smooth some deformed and grooved surface difficult to wash. Some pointed and others rounded. Few splits.

<sup>1)</sup>: Rough estimate in the field based on 1 m row.

<sup>2)</sup>: Taste of quartered carrot pieces with skin. Three persons.

The yield level is more an expression of germination conditions and weeds in organic production than the actual yield potential.

**After washing 1 meter row**













Carrots has been washed with a soft brush. This way it becomes very visible, if they are diffiucult to wash clean of the organic matter from the black sandy soil.

### Quality issues



Rhizoctonia in Speedo



Aster Yellow in Natuna. We find phytoplasma also in Bollin, Octavo, Dolciva and Milan



Growed skin difficult to wash clean in Negovia. Same aspect with Milan, Maestro and Vitella.



Yellow color towards the tips in Dolciva. Also seen in Nagoya.





Yellow colored carrots mixed in the orange in Bollin.



Cavity Spot seen in Dolciva but also in Naval.

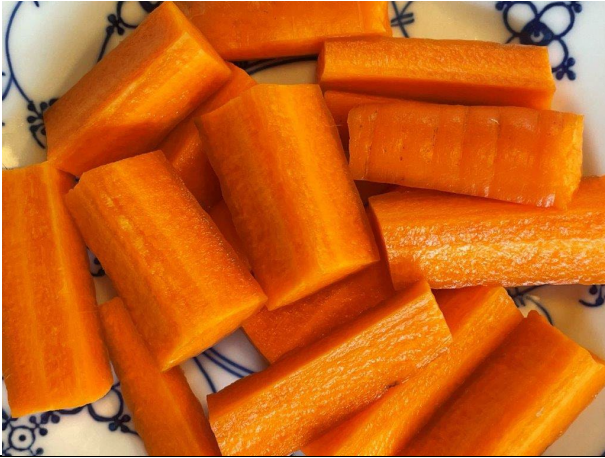


Splits seen in Milan but also in Naval.



**Internal color (from dark orange to light yellow)**

Naval



Speedo



Romance



Natuna



Nagoya

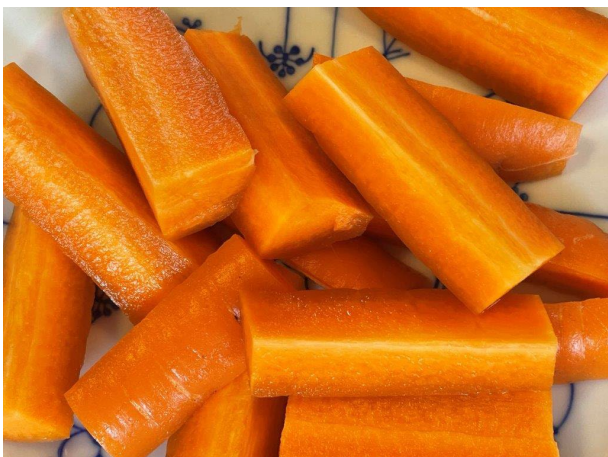


Brilliance





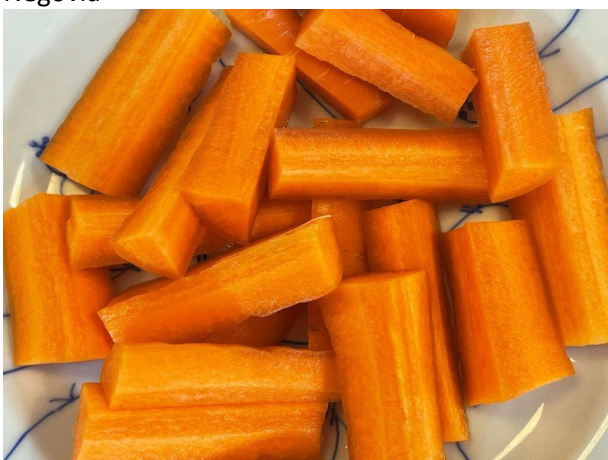
Octavo



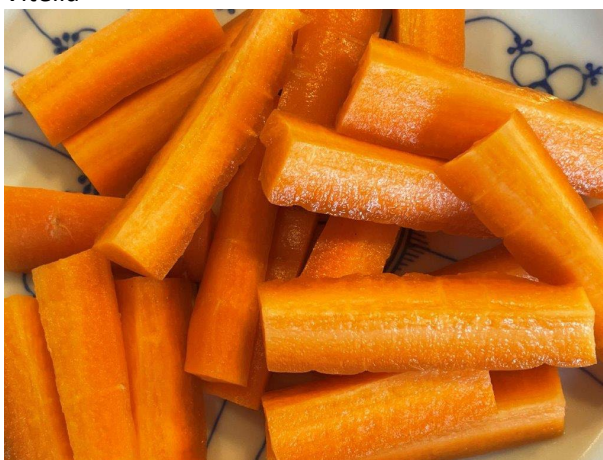
Bollin



Negovia



Vitella



Milan



Dolciva





Maestro



LRM, last update: 22.09.2023

### **Demo i gulerødder**

HortiAdvice gennemføre i 2023 på en række gartnerier med produktion af økologiske gulerødder en demonstration af økologiske frø af gulerodssorter fra OXS.

**Promille**afgiftsfonden  
for frugtavlen og gartneribruget