



PART OF THE  
KWS FAMILY

# Seed catalog Spinach

Eastern US and Canada

Technical Specifications 2024/2025

Pop Vriend Seeds



# Focus is in our genes.



## Front runner

Combining over 60 years of experience with innovative technology makes us world market leader in spinach breeding.



**Pine Higgins**  
Technical Spinach Advisor  
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## Sustainable growth

We export our vegetable seeds to over 100 countries around the world.



**Johan Rijk**  
Spinach Breeder

## In it for the long-term

We innovate with a long-term perspective, together with our clients.

## Super specialist

We focus on a limited number of crops in which we strive to be a top 3 player.



## The power of partnership

Our passion for great genetics combined with KWS's superior technology already delivered some great results.



## Technical specification Hybrid Spinach Baby Leaf - (Semi-)savoy

Variety	Type	Growth	Leaf color	Downy Mildew resistance
Banjo	Semi-savoy	8	8	Pe. 1-12, 14-16, 19, 20
Carmel	Semi-savoy	8	8	Pe. 1-11, 13, 15, 16, 18, 20
Sioux	Semi-savoy	7	7	Pe. 1-15, 17, 19, 20
Kiowa	Semi-savoy	6	7	Pe. 1-18, 20
<small>NEW</small> PV-1610	Semi-savoy	6	7	HR: Pe. 1-9, 11-15, 17, 19, 20 IR: Pe. 10, 16, 18
Opal / PV-1718	Semi-savoy	5	8	Pe. 1-20
Tambourine	Semi-savoy	5	8	Pe. 1-13,15, 20
Mandolin	Savoy	5	7	Pe. 1-12, 14-16, 19, 20
Pawnie	Savoy	5	8	Pe. 1-15, 17, 19, 20

### Growth rate

1 = Very slow growth  
9 = Very fast growth

### Color rate

1 = Very light green  
9 = Very dark green

### Resistance

**Pe.** Peronospora effusa  
**HR** High Resistance  
**IR** Intermediate Resistance

We combine state-of-the-art innovations with our long-term experience.  
In the spotlight.



Semi-savoy  
Kiowa

- 1-18,20 resistance
- Heavy texture
- Good leaf uniformity



Semi-savoy  
Tambourine

- Slow bolting
- Heavy texture
- Uniform leaf shape



Semi-savoy  
Opal / PV-1718

- 1-20 resistance
- Thick texture
- Uniform leaf shape



Savoy  
Pawnie

- Slow bolting
- Thick texture
- 1-15,17,19,20 resistance

**POP VRIEND SEEDS IS A SUBSIDIARY OF KWS VEGETABLES BV**

Figures and information in this brochure are based on the average results of large scale plantings under North American conditions and may vary with local environmental and agronomic conditions, grower skills, microclimate and soil structure. Resistance is the ability of a plant variety to restrict the growth and development of a specific pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Pop Vriend Seeds does not accept liability based on the information in this brochure for deviating results in the cultivated product. Buyers and users of Pop Vriend Seeds varieties are responsible to determine suitability of the seeds to intended cultivation and local circumstances.

All contracts for delivery of goods are subject to our general terms of sales and delivery, which you can download from our site [www.popvriendseeds.com](http://www.popvriendseeds.com). You can also ask for a copy by e-mail via [info@popvriendseeds.nl](mailto:info@popvriendseeds.nl).

In addition ISF rules are in force.

Please check our website for the most updated technical specifications of our varieties.

**Pop Vriend Seeds B.V.**

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