

**Greater diversity
in what we grow
and eat**



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World Vegetable Center, Benin



Fresh Market Tomato

Lines developed at the World Vegetable Center

AVT01003(CLN3125L)



Pedigree: CLN3125F2-21-4-22-12-8

Parentage: CLN2585D x G2-6-20

Adaptation: cool dry and hot-dry open-field

Remarks: Dual purpose-fresh market and processing. Determinate. Medium-large to medium fruit size. Oblong fruit shape. Green shoulder.

To order seed, please email:

seedrequest@worldveg.org

A handling fee will be charged.

For seed distribution policies, please visit the World Vegetable Center website: avrdc.org

World Vegetable Center
Box 42
Shanhua, Tainan 74199
TAIWAN

Descriptor	
Maturity	Medium Early
Fruit weight (g)	70
Pedicel	Jointed
Heat tolerance	Moderate
Disease resistance*	
Bacterial Wilt	<i>Bwr12</i>
TYLCD	<i>Ty-1/Ty-3, Ty-2</i>
Tobacco Mosaic Virus	<i>Tm2²</i>

**Bwr12* gene conditions bacterial wilt resistance. *Ty1/Ty3, Ty2, ty-5* genes condition resistance to Tomato yellow leaf curl disease (TYLCD); *Tm2²* conditions Tomato mosaic virus (TMV) resistance.

Hot Pepper

Lines developed at AVRDC – The World Vegetable Center

AVPP9905(PP9955-15)



Buy AVRDC seed

Seed of this and other selected vegetable lines developed at AVRDC – The World Vegetable Center is available for purchase.

To order, please email:
seedrequest@worldveg.org

For seed distribution policies, please visit the AVRDC website: www.avrdc.org

Alternative Name: 'Susan's Joy'.

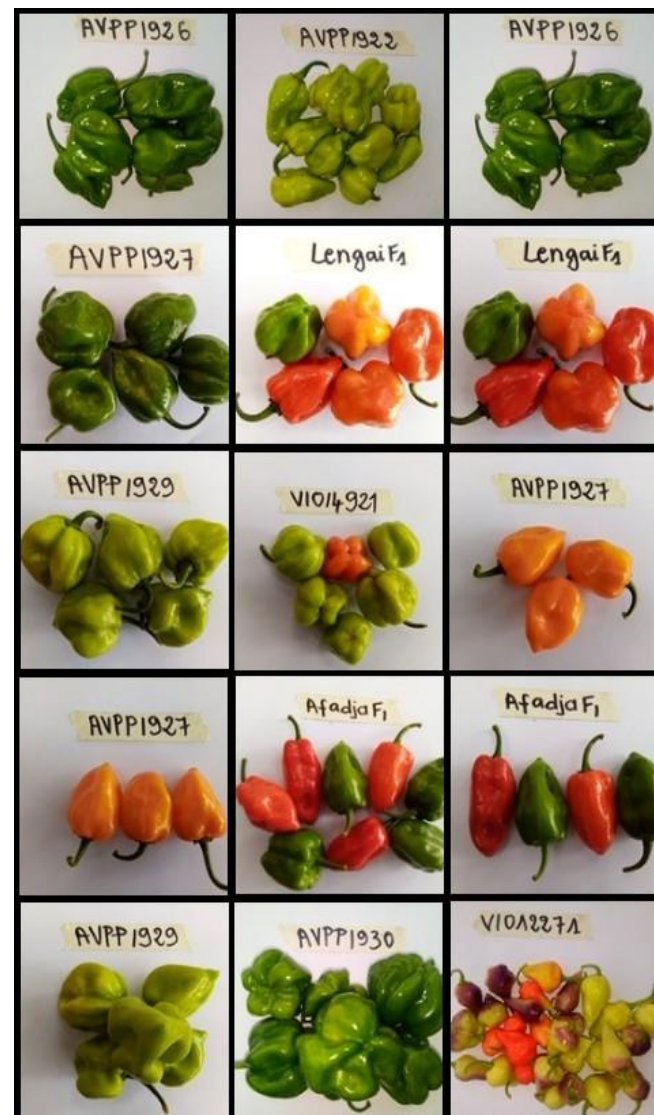
Origin: An unusual off-type plant was found in an AVRDC pepper program trial field in 1996, and released in 1999. The line produces concentrated early sets of large fruit, which also mature early.

Young fruit often have low pungency, and can be used as vegetable chili. However, mature fruit can become quite hot, depending on the growing environment. This line has been used as a long-term check in our International Chili Pepper Nursery (ICPN).

AVRDC – The World Vegetable Center
Box 42
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Descriptor	
Maturity	Early
Plant size	Medium
Plant stature	Medium
Days to flower	62
Fruit type	Chili
Fruit shape	Elongated
Fruit shape at blossom end	Pointed
Fruit length (cm)	15.3
Fruit width (cm)	2.3
Fruit fresh weight (g)	26.5
Fruit position	Intermediate
Fruit pungency	Medium
Immature fruit color	Yellow
Fruit color intensity at immaturity	Light
Mature fruit color	Orange-red
Fruit color intensity at maturity	Light
Plant habit	Compact
Disease resistance *	
Cucumber Mosaic Virus (CMV)	S
Chili Veinal Mottle Virus (CVMV)	S
Potato Virus Y (PVY)	R
Tomato Mosaic Virus (ToMV)	S
Bacterial spot (<i>Xanthomonas</i>)	-
Bacterial wilt (<i>Ralstonia</i>)	MS
Phytophthora blight	S
Anthraco nose (<i>Colletotrichum</i>)	S

* Laboratory evaluations conducted at AVRDC Taiwan, where R = resistant (80-100% symptom free), MR = moderately resistant (50-79% symptom free), MS = moderately susceptible (10-49% symptom free) and S = susceptible (<10% symptom free). Performance at other sites may vary.



Other technologies: Post harvest tech and Grafting



Benefits

A ZECC can reduce the temperature by 10-15°C but it keeps humidity high. These are perfect conditions to store produce. Traders can also use ZECCs to store produce at markets so that the produce doesn't waste away under the sun all day.

Vegetable	Weight Loss (%)		Shelf life (days)	
	ZECC	Ambient	ZECC	Ambient
Green Pepper	2 - 3	14 - 18	7	3
African Nightshade	1 - 4	4 - 12	3	1
Tomato	1 - 7	5 - 23	12 - 15	7 - 9
Eggplant	1	6	4	2
Cucumber	3	10	4	2
Cauliflower	18	44	9	7





Africa Vegetable Breeding Consortium

A RESEARCH PARTNERSHIP for SUCCESS

**BUILDING A STRONGER
SEED SECTOR**

SPECIAL OFFER -- FEE WAIVER!

Thanks to the generous support of the United Kingdom's Foreign, Commonwealth & Development Office (FCDO) and the United States Agency for International Development (USAID), we are able to temporarily waive membership fees for 2021 and 2022 to allow more companies to learn about AVBC.

BENEFITS for consortium members

1. Annual Workshop at the World Vegetable Center
2. Lead ACCESS to WorldVeg Germplasm
3. Request for up to Ten (10) Free Seed Accessions or Lines per Year
4. Test WorldVeg Breeding Lines
5. Visits by WorldVeg Scientists
6. Special Projects
7. Updates : E-newsletter
8. Training Opportunities

MEMBERSHIP TYPES

Full Member

The AVBC aims to support companies of all sizes, including small, regional and international companies. Full membership is reserved for companies with a legal registration in Africa and that are engaged in vegetable breeding or interested to begin a vegetable breeding program targeting one or more African countries. Consortium members are expected to:

- Comply with the Standard Material Transfer Agreement (SMTA and MTA2) of the International Treaty on Plant Genetic Resources for Food and Agriculture.
- Make a sincere effort to evaluate WorldVeg breeding lines/accessions in Africa and provide timely performance feedback.
- Provide data on seed sales in Africa of its commercialized lines/hybrids that contain WorldVeg germplasm.

Associate Member

Public institutions (NARS/NGOs/universities/seed cooperatives) are eligible to be AVBC Associate Members and can participate in training events, attend workshops, and receive WorldVeg germplasm but not lines under AVBC exclusivity.

JOIN THE AFRICA VEGETABLE BREEDING CONSORTIUM!

Ready to take your company to the next level? Join the **Africa Vegetable Breeding Consortium** and discover how exposure to the latest research and closer contact with international breeders and scientists will change the way you do breeding and business.

Membership Fees

Consortium membership is open to all AFSTA members in good standing. The consortium term is a calendar year from **1 January to 31 December**.

- Multinational companies (offices on at least 2 continents):
US\$6,000 per year
- Regional companies (offices in at least 2 countries in Africa):
US\$4,000 per year
- Local companies (offices in only 1 country):
US\$2,000 per year

SPECIAL OFFER -- FEE WAIVER!

Thanks to the generous support of the United Kingdom's Foreign, Commonwealth & Development Office (FCDO) and the United States Agency for International Development (USAID), we will **temporarily waive membership fees for 2021 and 2022** to allow more companies to benefit from AVBC.

For more information, contact
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Thank you!