

4. NATIONAL SWEET POTATO VARIETY LIST

Species: *Ipomea batatas*

Variety name/code	Official Release Name	Year of release	Owner(s)	Maintainer	Optimal production altitude range (Masl)	Duration to maturity (months)	Root yield (tha-1 y-1)	Special attributes
1. Mtwapa 8	Mtwapa 8	1998	KARI	KARI (Mtwapa)	1-1500	3.5	10-20	<ul style="list-style-type: none"> Low fibre High beta carotene
2. Jayalo	Jayalo	1998	KARI	KARI	1-200	4	10-15	<ul style="list-style-type: none"> Good for piece meal harvesting
3. 22/77	22/77	1998	KARI	KARI	1-800	3.5	10-20	<ul style="list-style-type: none"> Good for piece meal harvesting
4. KSP 20 (Wanjugu)	KSP 20(Wanjugu)	2000	KARI	KARI (Katumani)	250-1750	3-4	20	<ul style="list-style-type: none"> High carotene levels Red skinned
5. SPK 004	SPK 004	2001	KARI	KARI-Kakamega	1300-2000	3-4	13-20	<ul style="list-style-type: none"> High beta carotene
6. Kemb 10	Kemb 10	2001	KARI	KARI-Kakamega	1300-2000	3-4	16-25	<ul style="list-style-type: none"> High yielding
7. SPK 013	SPK 013	2001	KARI	KARI-Kakamega	1200 - 1400	4-5	21-35	<ul style="list-style-type: none"> Low underground stability
8. Mugande	Mugande	2001	KARI	KARI-Kakamega	1300-2000	4-5	15-25	<ul style="list-style-type: none"> Early maturing
9. Ksp0047	Ksp0047	2010	KARI	KARI KATUMANI	Warm, Semi-arid areas, 800 – 1000 m.a.s.l., Good for hill masses of Taita, and makueni districts	3-4	25	<ul style="list-style-type: none"> Light orange fleshed High β carotene content

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10. Ksp0072	Ksp0072	2010	KARI	KARI KATUMANI	central. Warm, Semi-arid areas, 600 –1400 m.a.s.l. Yield well in coffee zone of eastern and	3-4	22	<ul style="list-style-type: none"> Light orange fleshed High β carotene content
11. Ksp0084	Ksp0084	2010	KARI	KARI KATUMANI	Warm, Semi-arid areas, 600 – 1800 m.a.s.l. Recommended for the coffee and lower areas	3-4	20	<ul style="list-style-type: none"> Light orange fleshed High β carotene content Duo purpose
12. Ksp0154	Ksp0154	2010	KARI	KARI KATUMANI	Warm, Semi-arid areas, 800 – 1800 m.a.s.l. Good for the Coffee zone (Thika, muranga South, Kandara, Kangundo)	3-4	23	<ul style="list-style-type: none"> Light orange fleshed High β carotene content
13. Mwavuli	Mwavuli-1	2011	KARI-Kakamega	KARI-Kakamega	1200-1800	4-5	22.0 (40.0)	<ul style="list-style-type: none"> High root yield High DM Dual purpose
14. 91-218	Limara	2011	KARI-Kakamega	KARI-Kakamega	1200-1700	4-5	15.4-25	<ul style="list-style-type: none"> Very Resistant to virus disease
15. 292-H-12	Rachar	2011	KARI-Kakamega	KARI-Kakamega	1200-1680	4-5	14.2 (34.0)*	<ul style="list-style-type: none"> Virus resistant
16. 56682-03	Haraka	2011	KARI-Kakamega	KARI-Kakamega	1300-1600	4-5	16.3	<ul style="list-style-type: none"> Orange-fleshed High DM
17. K117	Lisamu-DP	2011	KARI-Kakamega	KARI-Kakamega	1200-1600	5-6	15.1-34.4	<ul style="list-style-type: none"> Orange-fleshed High DM
18. Kabode	Kabode	2013	KARI	KARI-Kakamega	1,200-1,800	4-5	16-25	<ul style="list-style-type: none"> High β-carotene content Tolerant to sweet-potato viruses

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19. VITAA	Vitamu	2013	KARI	KARI-Kakamega	1,200-1,800	4-5	15-22	<ul style="list-style-type: none"> High carotene High dry content Tolerance to virus diseases
20. KNSP 013	Kenspot-1(Nyawo)	2013	KARI	KARI-Njoro	1,700-2,300 metres in Eldama-Ravine, Lare, Njoro, and Kakamega	6-7	15-25	<ul style="list-style-type: none"> Fairly High Dry Matter Yellow fleshed Average acceptability
21. KNSP 016	Kenspot-2	2013	KARI	KARI-Njoro	1700-1900 metres in the highlands of Kakamega, Lanet and Kabianga	6-7	15-46	<ul style="list-style-type: none"> Moderate Dry Matter White-fleshed High acceptability rating
22. KNSP010/6 (1)	Kenspot-3	2013	KARI	KARI-Njoro	1,900-23,00 metres in Njoro,Eldama-Ravine, Kakamega	7-6	10-27	<ul style="list-style-type: none"> High Dry Matter content Orange-fleshed (avg.β-carotene content) Average acceptability
23. KNSP 06/1-2	Kenspot-4	2013	KARI	KARI-Njoro	1,700-2,300 metres in Eldama-Ravine, Kakamega, Njoro,Kabianga	6-7	10-27	<ul style="list-style-type: none"> High Dry Matter content Orange-fleshed (avg.β-carotene content) Average acceptability
24. KNSP02/16 (1)	Kenspot-5	2013	KARI	KARI-Njoro	1,700-2,100 metres in Eldama-Ravine, Kabianga and Kakamega	7-6	10-23	<ul style="list-style-type: none"> Moderate Dry Matter content Orange-fleshed (avg.βcarotene content) Average acceptability Moderately resistant to sweet-potato viral disease,SPVD

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25. NASPO T-1	DOUBLE-DOUBLE	2015	KALRO	KALRO Kakamega	Western , Eastern Kenya,North Rift region	3-4	27	<ul style="list-style-type: none"> Dual purpose variety-roots for human consumption and vines for livestock Moderately resistant to SPVD
26. CUNY	CUNY	2015	KALRO	KALRO Kakamega	Western Kenya	4-5	28	<ul style="list-style-type: none"> High dry matter content and yellow fleshed Has average levels of sugar Tolerant to altanaria
27. K/KA/2004/215	JANKAROTI	2015	KALRO	KALRO Kakamega	Western Kenya	3-4	28	<ul style="list-style-type: none"> Orange-fleshed-rich in beta carotene Acceptable levels of dry matter content Moderately tolerant to SPVD
28. NAMNYEKERA	NAMNYEKERA	2015	KALRO	KALRO Kakamega	Western Kenya	4-5	25	<ul style="list-style-type: none"> Yellow-fleshed with moderately resistance to weevil attack due to its deep rooting characteristic Resistance to alternaria
29. Silklow 6	Silklow 6	2019	KALRO	KALRO-KATUMANI	Altitude: 1200-1800 masl,Examples: Bungoma, Kakamega Homabay , Kisii Tharaka Nithi,Kiambu, Embu,	5	14-18	<ul style="list-style-type: none"> Resistance to potato weevils Resistance to potato diseases Tolerant to viral diseases Flesh orange(29A/2

					Meru,Nyeri, Muranga,Taita Taveta- Wundamyi, Machakos			3)(CIP chart) β -carotene 1500 $\mu\text{g}/100\text{g}$ fwb content <ul style="list-style-type: none"> Taste sweet Moderate tolerance to low cool temperatures
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30. Shock 5	Shock 5 Kyembadula 6	2019	KALRO	KALRO-KATUMANI	sAltitude: 1200-1800 masl,Examples:Bungoma,Kakmeg a Homabay , Kisii Tharaka Nithi,Kiambu, Embu, Meru,Nyeri, Muranga,Taita Taveta-	5	11-17	<ul style="list-style-type: none"> Dual purpose variety Resistance potato weevils, potato diseases Tolerant to virus disease Moderate to low temperatures Dry matter 28.50% Flesh colour yellow cream - (9D/3) Resistance to pest β-carotene 1500 $\mu\text{g}/100\text{g}$ fwb content,
31. Kyembadula 6				KALRO-KATUMANI	Altitude: 1200-1800 masl,Examples:Kakamega Homabay , Kisii Tharaka Nyeri, Muranga,Taita Taveta-Wundamyi, Machakos			<ul style="list-style-type: none"> Resistance to potato weevils Resistance to potato diseases Tolerant to viral diseases Flesh orange(29A/23)(CIP chart) β-carotene 1500 $\mu\text{g}/100\text{g}$ fwb content Taste sweet Moderate

								tolerance to low cool temperatures
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32. Irene	Irene	2019	KALRO	KALRO-KATUMA NI	Altitude: 1200-1800masl, Examples: Bungoma, Kakamega Homabay, Kisii Tharaka Nithi, Kiambu, Embu, Meru, Nyeri, Muranga, Taita Taveta-Wundanyi, Machakos	4-5	9-15	<ul style="list-style-type: none"> Resistance to potato weevils Resistance to potato diseases Tolerant to viral diseases Shape oblong Skin Purple red Dry matter 28.8% Flesh colour Orange with yellow (28 C:18B) (CIP colour chart) β-carotene 8300 $\mu\text{g}/100\text{g}$ fw content Taste is moderately sweet
33. TU-PURPLE	KC-SWEET PURPLE	2023	KALRO and CIP	KALRO and CIP	Altitude: 1200-1800 AEZ: LM1-6 Sites : Makueni, Machakos, Kitui, Tharaka nithi	4-5	15-16	<ul style="list-style-type: none"> Adaptability; widely spread Resistance to pests Moderate to sweet potato weevils and diseases Root characteristic: Dry matter 27.9% and flesh color dark purple

