

20. NATIONAL COMMON BEAN VARIETY LIST

Species: *Phaseolus vulgaris L.*

Variety name/code	Year of release	Owner(s)	Maintainer and seed source	Optimal production altitude range (Masl)	Duration to maturity (months)	Grain yield(t ha-1)	Special attributes
1. Mwitemani a (GLP 92)	1982	KARI/KSC	KARI/KSC	900-1600	2-3	1.2-1.5	<ul style="list-style-type: none"> ▪ Drought tolerant
2. Rosecoco (GLP 2)	1982	KARI/KSC	KARI/KSC	1500-2000	2-3	1.8 - 2	<ul style="list-style-type: none"> ▪ High yield ▪ Wide adaptation ▪ Attractive seed colour ▪ Good taste
3. Mwezi Moja (GLP1004)	1982	KARI/KSC	KARI/KSC	1200-1600	2-3	1.2 - 1.5	<ul style="list-style-type: none"> ▪ Good performance in dry areas ▪ Early maturity ▪ Tolerant to drought and bean fly
4. Canadian Wonder (GLP-24)	1982	KARI/KSC	KARI/KSC	1200-1800	3 - 3.5	1.3 - 1.8	<ul style="list-style-type: none"> ▪ Moderately resistant to angular leaf spot
5. GLP-92 Pinto bean	1982	KARI/KSC	KARI/KSC	100-1500	3 - 3.5	1.2 - 1.7	<ul style="list-style-type: none"> ▪ Wide adaptation ▪ Resistant to halo blight
6. GLP-585 Red haricot	1982	KARI	KARI	1500-2000	2.5 - 3	1 - 1.5	<ul style="list-style-type: none"> ▪ Suitable for high rainfall areas ▪ Resistant to bean common mosaic virus
7. GLP-X 1127 New Mwezi Moja	1982	KARI/KSC	KARI/KSC	1000-1500	2.5 - 3	1 - 1.5	<ul style="list-style-type: none"> ▪ Wide adaptation ▪ Resistant to bean common mosaic virus ▪ Tolerant to rust.

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8. Kat/Bean 2	1987	KARI	KARI-Katumani	1200-1800	2-3	1-1.2	▪ Tolerant to shading
9. Kat X 16	1994	KARI	KARI-Katumani	900-1600	2-3	1.5-1.8	▪ High yielding
10. Kat X56	1995	KARI	KARI-Katumani	900-1800	2.5-3	1.5-1.8	▪ High yielding
11. Kat X 69	1995	KARI	KARI-Katumani	1200-1800	2-3	1.5-1.8	▪ High yielding
12. KK 22 (RWR 719)	1996	KARI	KARI-Kakamega	1500-1800	2.5 - 3	1.8-2	▪ Tolerant to root rot
13. Kat/Bean 1 (Katheka)	1987	KARI	KARI-Katumani	1000-1800	2.5	1.2-1.5	▪ Early maturity
14. KK 8 (SCAM-80/15)	1997	KARI	KARI-Kakamega	1500-1800	2.5 - 3	1.8-2	▪ Tolerant to root rot
15. KK 15 (MLB 49/879)	1997	KARI	KARI-Kakamega	1500-1800	2.5 - 3	1.8-2	▪ Tolerant to root rot
16. Kat-Bean 9	1998	KARI	KARI-Katumani	900-1600	2.5-3	1-1.8	▪ Tolerant to heat
17. Wairimu Dwarf	2008	Kenya Seed Co	Simlaw Seeds	500 - 1700	2.5 - 2.8	1.5 – 1.75	▪ Early ▪ Heat tolerant ▪ Good for maize intercropping ▪ Excellent cooking qualities
18. New Rose Coco	2008	University of Nairobi	University of Nairobi	1100-2000	2.5 - 3	1.3 – 2.3	▪ Upright growth habit ▪ Early ▪ Moderate resistance to rust, common bacterial blight, angular leaf spot, anthracnose, bean common mosaic virus & necrotic virus ▪ Large grains
19. Miezi Mbili	2008	University of Nairobi	University of Nairobi	1000-2000	2.5 - 3	1.2 – 2.26	▪ Large grains ▪ Early ▪ Resistant to floury leaf spot, halo blight, angular leaf spot, anthracnose, bean common mosaic virus & common bacterial blight

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20. Kenya early	2008	University of Nairobi	University of Nairobi	1100-1900	2.5 - 3	1.07 – 2.15	<ul style="list-style-type: none"> ▪ Large grains ▪ Early ▪ Moderately resistant to, halo blight, angular leaf spot, anthracnose, bean common mosaic virus & common bacterial blight
21. Kenya Red Kidney	2008	University of Nairobi	University of Nairobi	1000-2100	2.5 - 3	1.09 – 2.8	<ul style="list-style-type: none"> ▪ Large grains ▪ Moderately resistant to halo blight, angular leaf spot, anthracnose, bean common mosaic virus & common bacterial blight
22. Super Rose Coco	2008	University of Nairobi	University of Nairobi	1000-2100	2.5 - 3	1.14 – 2.8	<ul style="list-style-type: none"> ▪ Medium maturity ▪ Moderately resistant to halo blight, angular leaf spot, anthracnose, bean common mosaic virus & common bacterial blight
23. Kenya Wonder	2008	University of Nairobi	University of Nairobi	1030-2000	3 - 3.5	1.13 – 2.09	<ul style="list-style-type: none"> ▪ Large grains ▪ Moderately resistant to halo blight, angular leaf spot, anthracnose, bean common mosaic virus & common bacterial blight
24. Kenya Sugar Bean	2008	University of Nairobi	University of Nairobi	1000-1900	2.5 - 3	1.08 – 1.81	<ul style="list-style-type: none"> ▪ Early ▪ Large grains, ▪ Moderately resistant to halo blight, bean common mosaic virus & common bacterial blight
25. Kabete Super	2008	University of Nairobi	University of Nairobi	1300-2000	3 - 3.5	1.05 – 2.47	<ul style="list-style-type: none"> ▪ Large grains ▪ Resistant to floury leaf spot, halo blight, angular leaf spot,

							anthracnose, bean common mosaic virus & common bacterial blight
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26. Chelalang	2008	Egerton University	Egerton University	1800-2200	2.5 – 3.5	1.2 – 2.2	
27. Tasha	2008	Egerton University	Egerton University	1500-2000	2.5 – 3.5	1.1 – 2.1	
28. Cianku	2008	Egerton University	Egerton University	1500-2150	2.5 – 3.5	1.0 – 1.9	
29. Mbigo	2013	KARI	KARI-Embu	Medium Altitude,(1,200 – 1,600),[AEZs LH3, LM1,UM1, UM2, UH3]	3-4	2.0-2.5	<ul style="list-style-type: none"> ▪ Indeterminate, black large-seeded Canadian Wonder type ▪ Tolerant to anthracnose, leaf rust, and Angular Leaf Spot diseases ▪ High level biological N fixation ▪ Large-seeded marketable seed type
30. KAT-RM01 (KATRAM)	2014	KARI	Kari Katumani	900-1600	2.5	1.5-2.0	<ul style="list-style-type: none"> ▪ Drought tolerant ▪ High yielding ▪ Large red mottled (Most preferred seed type) ▪ Uniform flowering and maturity ▪ Highly resistant bean Rust (Bean Common Mosaic Virus(BCMV) and Bean Common Mosaic and Necrotic Virus (BCMVN) ▪ Moderately resistant to Angular leaf spot, anthracnose, common bacterial blight and web blight
31. EMBEAN14 (MWENDE)	2014	KARI	Kari Embu	1200-2400	3	2.5	<ul style="list-style-type: none"> ▪ Tolerance to most fungal diseases: Angular leaf spot,

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32. MN1(Rosecoco Madini)	2015	University Of Nairobi	University Of Nairobi	Central highlands; western highlands; central and southern Rift Valley region; Coastal; eastern highlands	3	1.15-2.0	<ul style="list-style-type: none"> ▪ Root rots, Rust, Anthracnose ▪ Marketable seed type (medium seeded sugar bean – Rosecoco type) ▪ High potential to fix nitrogen
33. MN3 (Kenya Almasi)	2015	University Of Nairobi	University Of Nairobi	Central highlands; western highlands; central and southern Rift Valley region; Coastal; eastern highlands	3	1.13-1.2	<ul style="list-style-type: none"> ▪ Biofortified variety(Iron-up to 147 ppm; zinc upto 38 ppm; also rich in Ca, P and other minerals) ▪ Tolerant to low soil fertility ▪ Good resistance to angular leafspot, root rot, anthracnose, BCMV and other bean diseases
34. MN6 (Kenya Cheupe)	2015	University Of Nairobi	University Of Nairobi	Central highlands; western highlands; central and southern Rift Valley region; Coastal; eastern highlands	3	1.1-2.8	<ul style="list-style-type: none"> ▪ Low flatulence ▪ Biofortified variety(Iron up to 75ppm and zinc-45 ppm; also rich in Ca, P and other minerals) ▪ Good resistance to angular leafspot, anthracnose and other bean diseases
35. MN9 (Kenya Maua)	2015	University Of Nairobi	University Of Nairobi	Central highlands; western highlands; central and	3	1-1.9	<ul style="list-style-type: none"> ▪ Biofortified variety(Iron up to 75ppm and zinc-45 ppm; also rich in Ca, P and other minerals)

				southern Rift Valley region; Coastal; eastern highlands			<ul style="list-style-type: none"> ▪ Good resistance to angular leafspot, anthracnose, BCMV and other bean diseases; large red mottled
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36. KK ROSECOCO-194	2015	KALRO	KALRO-Kakamega	Medium & high altitude; Central and north Rift Valley	2.5	1.8 - 2.0	<ul style="list-style-type: none"> ▪ Resistant to bean root rot ▪ Resistant to angular leaf sport
37. KK RED BEAN-16	2015	KALRO	KALRO-Kakamega	Medium & high altitude; Central and north Rift Valley	2.5	1.8 - 2.0	<ul style="list-style-type: none"> ▪ Resistant to bean root rot ▪ Resistant to angular leaf sport
38. KAD 02 (Nyota)	2017	KALRO	KALRO Katumani	900-1800 MSAL	2-3	1.4-2.2	<ul style="list-style-type: none"> ▪ Drought tolerant ▪ Early maturing ▪ Micronutrient rich bean, high grain iron content (>95 ppm), high zinc grain content (>39ppm) with low phytic acid 1.25mg/g ▪ Cook fast ▪ Good pod clearance
39. KMR 11 (Angaza)	2017	KALRO	KALRO Kandara	1200-1900 MSAL	2-3	1.4-2.5	<ul style="list-style-type: none"> ▪ Micronutrient rich with high grain iron content (>97 ppm) ▪ High zinc grain content (>57ppm) ▪ Has low phytic acid at 1mg/g and high sucrose content at 120mg/kg ▪ Cooks fast and has high water absorption capacity when soaked
40. KMR 12 (Metameta)	2017	KALRO	KALRO Katumani	1200-1900 MSAL	2-3	1.4-2.3	<ul style="list-style-type: none"> ▪ High grain Zinc content (>32ppm) ▪ Moderate grain iron content (>67ppm), Potassium 2,486ppm

								<p>and low phytic acid at 1.5mg/g</p> <ul style="list-style-type: none"> ▪ Cooks fast and high water absorption ▪ Tolerance to Angular leaf spot (ALS), Common bacterial blight (CBB) and resistance to bean common mosaic virus (BCMV) and other bean diseases
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41. KMR13 (Faida)	2017	KALRO	KALRO Kandara	1300-2000 MSAL	2-3	1.4-2.0	<ul style="list-style-type: none"> ▪ High grain Zinc content (>56 ppm) and low phytic acid at 1.75mg/g ▪ High potassium at 2,746ppm and high manganese at 27.51ppm ▪ Tolerance to Angular leaf spot (ALS), Common bacterial blight (CBB) and resistance to bean common mosaic virus (BCMV). 	
42. KAT-SW-12 (KENYA MALI)	2015	KALRO	KALRO-Katumani	900 – 1700 Masl Central Kenya, Muranga, Kirinyaga, Embu and Meru, in Nyanza Homabay, Kisumu and Siaya	2.5	1.6 – 2.2	<ul style="list-style-type: none"> ▪ Drought tolerant ▪ Small elongated white seeds with excellent canning quality (% water Uptake > 100 and Hydration Coefficient > 1.9) ▪ Early Maturing, Uniform maturity ▪ Highly resistant to bean Rust and Bean Common Mosaic Virus (BCMV) ▪ Moderately tolerant to Anthracnose and Angular leafspot 	

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43. KAT-SW-13 (TAMUTAM U)	2015	KALRO	KALRO-Katumani	900 – 1700 Masl Central Kenya, Muranga, Kirinyaga, Embu and Meru, in Nyanza Homabay, Kisumu and Siaya	2.5	1.5 – 2.0	<ul style="list-style-type: none"> ▪ Drought tolerant ▪ Early Maturing ▪ Small oval white seeds with excellent canning quality (% water Uptake > 100 and Hydration Coefficient > 2.0) ▪ Uniform maturity ▪ Highly resistant to bean Rust and Bean Common Mosaic Virus (BCMV)
44. KCB 13-02 (Kenya Mamboleo)	2015	University of Nairobi	University of Nairobi	Central and western highlands, Tea Zones, Central and southern Rift Valley; Nyanza; eastern highlands	2-3	2.5	<ul style="list-style-type: none"> ▪ Resistant to root rots, angular leaf spot, common bacterial blight and moderately resistant to anthracnose ▪ Fast cooking (42.8 minutes soaked) ▪ High water absorption capacity/swelling (115%) ▪ High hydration coefficient, washed drained weight (69.4%), large grain size, preferred shape, high uniformity of canned product, low splits and clumping and high brine clarity ▪ Good sensory traits of canned product
45. KCB13-09 (Kenya Salama)	2015	University of Nairobi	University of Nairobi	Central and western highlands, Tea Zones, Central and southern Rift Valley; Nyanza; eastern highlands	2-3	2.7	<ul style="list-style-type: none"> ▪ High level of resistance to root rots, angular leaf spot, common bacterial blight and anthracnose ▪ Fast cooking (35 minutes-soaked) ▪ High water absorption capacity (99.2%)

								<ul style="list-style-type: none"> ▪ High hydration (1.92), washed drained weight (66%) ▪ Excellent size and shape for medium white ▪ High uniformity of canned product ▪ Very low incidence of splits and clumping ;high brine clarity ▪ Very good organoleptic characteristics of canned product
46. KCB13-11 (KenStar)	2015	University of Nairobi	University of Nairobi	Central and western highlands, Tea Zones, Central and southern Rift Valley; Nyanza; eastern highlands	2-3	3.1		<ul style="list-style-type: none"> ▪ Resistant to angular leaf spot, root rots, anthracnose and root rots ▪ Fast cooking(35 minutes when soaked) ▪ Very high water uptake (142%) and swelling ▪ High hydration, washed drain weight, good size, shape, low incidence of split, clumping and high brine clarity ▪ Excellent sensory characteristics (color, size, appearance, taste, mouth feel, flavor and wholesomeness)
47. KKRIL05/RE D13 (KK- RED BEAN 13)	2017	KALRO (Kakamega)	KALRO Kakamega	Medium to high altitude high rainfall areas.	2-3	1.6		<ul style="list-style-type: none"> ▪ Small seeded red bean type ▪ Resistant to bean root rot
48. KKRIL05/CA L33 (KK- ROSECOCO 33)	2017	KALRO (Kakamega)	KALRO (Kakamega)	Medium to high altitude high rainfall areas.	2-3	1.8		<ul style="list-style-type: none"> ▪ Rose-coco bean type ▪ Resistant to bean root rot
49. KCB13-04 (Kenya Red Kidney)	2018	University of Nairobi	University of Nairobi/Paul Kimani	1300-2100 masl Such as Machakos, Bomet,	2-3	2.7		<ul style="list-style-type: none"> ▪ Resistant to angular leafspot (2); anthracnose (5); rust (3); common bacterial

				Kajiado, Kericho, Trans-Nzoia, Naivasha, Meru, Tharaka Nithi, Nakuru, Nyeri, Murang'a, Nyeri counties Other bean growing areas.			<ul style="list-style-type: none"> blight (3) and root rots (2) ▪ Fast cooking (34.8 minutes) ▪ Very good water uptake (115%) after soaking ▪ Good yield potential, physical appearance and sensory traits
Variety name/code	Year of releas e	Owner(s)	Maintainer and seed source	Optimal production altitude range (Masl)	Duration to maturity (months)	Grain yield(t ha-1)	Special attributes
50. Kazuri (SIMLAW B9)	2021	Simlaw seed Co.Ltd	Simlaw seed Co.Ltd	Altitude: 1000-1800 m.a.s.l AEZ: UM 1-UM3 Sites: Embu, Kirinyaga, Murang'a, Loitoktok, Taita taveta	2-3	1.8-2.1	<ul style="list-style-type: none"> ▪ Wide adaptability ▪ Medium maturing
51. SAITOTI (Saitoti)	2021	KALRO	KALRO KITALE	Altitude: 1000-1800 m.a.s.l AEZ : Medium to High Sites: Kisii, Bungoma, Uasin Gishu, Elgeyo Marakwet	3	1.5-2.0	<ul style="list-style-type: none"> ▪ Purple flowers ▪ Presence of tendrils ▪ Indeterminate growth habit ▪ Small red mottled round seeds ▪ Pods slightly curved
52. EUB 502 (Tatton Bean)	2021	Egerton University	Egerton University Agroscience Park Seed Unit	Altitude: 1500-1800 m.a.s.l AEZ : Medium to High Sites: Kericho, Bomet, Kisii, Nakuru, Nandi, Kakamega	3-4	1.8-2.0	<ul style="list-style-type: none"> ▪ Low flatulence and acid ▪ High Fe and Zinc ▪ Good for bean flour and bean soup ▪ High yielding ▪ Tolerant to halo blight ▪ Tolerant to rust
53. AGRYB402 (Zebra)	2021	Agrosoy seed company	Agrosoy	Altitude: 1000-1600 m.a.s.l AEZ: Medium to high altitudes	2.5	1.6-1.8	<ul style="list-style-type: none"> ▪ Early maturity ▪ Drought tolerant

				Sites: Nakuru, Narok, Baringo, Bomet, Kisii, Elgeyo Marakwet, Siaya, Nandi, West Pokot, Nyeri, Laikipia			
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54. NUA 45(PURE SEED 1)	2023	Pure Seeds EA LTD	Maintainer:Pure Seeds EA LTD Source:CIAT	Altitude:1000-1600 m.a.s.l AEZ:UM, LM, L Sites: Embu, Kitui, Katumani, Kakamega and Busia etc	2-3	1-1.5	<ul style="list-style-type: none"> ▪ High levels of iron and zinc ▪ Resistsnt to Angular leaf spot rust,Anthracnose and tolerant to common bacterial blight
55. Waithera(K SR13)	2024	KALRO	KALRO Katumani	Altitude:1350-1800 m.a.s.l AEZ:LM-5-6 Sites: Embu, Kitui, Katumani, Kampi ya Mawe and Thika	2-3	1.4-2.8	<ul style="list-style-type: none"> ▪ Medium micronutrient rich bean(Iron levels is 69.5 ppm and zinc levels is 27.65 ppm) ▪ Drought tolerant

