

## 19. NATIONAL WHEAT VARIETY LIST

**Species: *Triticum aestivum L.***

Variety name/code	Official Release Name	Year of release in Kenya	Owner(s) / Licensee	Maintainer and seed source	Optimal production altitude range (Masl)	DURATION to maturity (months)	Grain yield (t ha <sup>-1</sup> )	Special attributes
1. Kenya Tembo	Kenya Tembo	1975	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	1800-2100	4-5	1.3 -1.8	▪ Lodging resistance
2. Kenya Kongoni	Kenya Kongoni	1975	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	1800-2700	4-5	1.3 -1.6	▪ Acid soil tolerant
3. Kenya Fahari	Kenya Fahari	1977	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	1800-2400	3-5	1.1-1.6	▪ Resistant to Russian wheat aphid
4. Kenya Nyumbu	Kenya Nyumbu	1982	KARI/Kenya Seed Co.	KARI	1800-2100	4-5	1.3 -1.8	▪ Resistant to stem rust
5. Kenya Mbuni	Kenya Mbuni	1987	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	1800-2400	4-5	2.8-6.0	▪ High yielding
6. Kenya Kwale	Kenya Kwale	1987	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	2100 - 2400	4-5	2.8 -6.7	▪ High yielding ▪ Tolerant to sprout
7. Kenya Pasa	Kenya Pasa	1989	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	1800-2400	4-5	2.3-6.7	▪ High yield ▪ Resistant to lodging
8. Kenya Chiriku	Kenya Chiriku	1989	KARI/Kenya Seed Co.	KARI/Kenya Seed Co.	1800-2400	4-5	2.6-6.0	▪ Resistant to rust
9. Kenya Duma	Kenya Duma	1998	KARI	KARI Njoro	<1800	2-3	2.0 -3.4	▪ Drought tolerant & Early maturity
10. Kenya Mbega	Kenya Mbega	1998	KARI	KARI	1800-2100	4-5	3.0 -6.8	▪ High yielding ▪ Resistant to leaf rust
11. Ngamia	Ngamia	1998	KARI	KARI	1800-2400	3-4	1.8 -3.6	▪ Drought tolerant
12. Kenya Chozi	Kenya Chozi	1999	KARI	KARI	1500-1800	4-5	2.3 -5.6	▪ Drought tolerant
13. Kenya Heroe	Kenya Heroe	1999	KARI	KARI	2100-2400	4-5	3.5 - 7.2	▪ High yielding
14. Kenya Yombi	Kenya Yombi	1999	KARI	KARI	1800-2100	3-4	3.3 -7.0	▪ High yielding
15. KS Mwamba	KS Mwamba	2001	Kenya Seed Co.	Kenya Seed Co.	1500-2400	3-4	2.0-5.6	▪ Wide adaptation ▪ High yield

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16. Njoro BW1	Njoro BW1	2001	KARI	KARI	1800-2400	3-4	2.2-4.7	<ul style="list-style-type: none"> <li>▪ Drought tolerant</li> <li>▪ High protein content</li> </ul>
17. Njoro BW2	Njoro BW2	2001	KARI	KARI Njoro	1800-2400	3-4	3.7-8.0	<ul style="list-style-type: none"> <li>▪ Tolerant to acid soil</li> <li>▪ Resistant to lodging</li> </ul>
18. KS Simba	KS Simba	2007	Kenya Seed Co.	Kenya Seed Co.	1500-2400	3-4	2.5-5.0	<ul style="list-style-type: none"> <li>▪ Suitable for both marginal and high potential areas</li> <li>▪ Good baking quality</li> </ul>
19. Farasi	Farasi	2007	Kenya Seed Co.	Kenya Seed Co.	1800-2400	4	2.5-5.0	<ul style="list-style-type: none"> <li>▪ Resistant to most foliar diseases</li> <li>▪ Good baking quality</li> </ul>
20. Kenya Ibis	Kenya Ibis	2008	KARI	KARI Njoro	1500-1800	3.5 - 4.0	6-Mar	<ul style="list-style-type: none"> <li>▪ Drought tolerant</li> <li>▪ Tolerant to stem rust</li> <li>▪ Good baking qualities</li> </ul>
21. KS-Chui	KS-Chui	2008	Kenya Seed Co.	Kenya Seed Co.	1800-2400	4	1.5 - 3.0	<ul style="list-style-type: none"> <li>▪ Adapted to high potential and marginal areas</li> <li>▪ Good tolerance to foliar diseases</li> </ul>
22. KSRR 2	Kenya Robin	2011	KARI	KARI-NJORO	1800-2700m	3.5	7.0-8.0	<ul style="list-style-type: none"> <li>▪ Bred for adult plant resistance to stem rust (Ug99 strain)</li> <li>▪ Early maturing and widely adopted</li> <li>▪ Does well in low to high altitude (lower Narok, Timau and Mau Narok)</li> <li>▪ Large grains with a test weight of 48g/1000kernels</li> <li>▪ High protein content (12.5) and good milling and baking qualities</li> </ul>

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23. KSRR 4	Eagle 10	2011	KARI	KARI-NJORO	1800-2100 m	3.5	6.0-7.0	<ul style="list-style-type: none"> <li>▪ Good resistance to stem rust (Ug99 strain)</li> <li>▪ Very early maturing hence suitable for drought prone areas like Mweiga, lower Narok and Rongai</li> <li>▪ Long grained with high protein content of 13%</li> <li>▪ Very good baking quality</li> </ul>
24. KSRR 10	Kenya Hawk12	2012	KARI	KARI-Njoro	2100-2400	4-5	7.5	<ul style="list-style-type: none"> <li>▪ Red hard grain with resistance to both lodging and sprout</li> <li>▪ High test weight and baking qualities</li> <li>▪ May be good for areas that receive rain during harvesting like Mau Narok and Timau</li> <li>▪ Resistant to both stem rust and yellow rust</li> </ul>
25. KSRR 5	Kenya Tae	2012	KARI	KARI-Njoro	1800-2100	3-4	6.5	<ul style="list-style-type: none"> <li>▪ Resistant to both stem rust and yellow rust</li> <li>▪ Red hard grain with heavy biomass</li> <li>▪ May be well adopted by farmers who use straw for livestock feed.</li> </ul>
26. KSRR 6	Kenya Sunbird	2012	KARI	KARI-Njoro	1800-2100	3-4	6.8	<ul style="list-style-type: none"> <li>▪ Resistance to both yellow and stem rust</li> <li>▪ High biomass</li> <li>▪ High protein content</li> <li>▪ Suitable for whole grain chapatis and baking.</li> </ul>

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27. KSRR 7	Kenya Wren	2012	KARI	KARI-Njoro	2100-2400	4-5	8.1	<ul style="list-style-type: none"> <li>▪ Has adult plant resistance to both yellow and stem rust diseases</li> <li>▪ Large red hard grain with excellent flour conversion</li> <li>▪ High protein content, good for home baking and chapattis</li> <li>▪ Tolerant to acidic soils</li> </ul>
28. KSRR 8	Kenya Korongo	2012	KARI	KARI-Njoro	Below 1800	3-4	7	<ul style="list-style-type: none"> <li>▪ White hard grain</li> <li>▪ Very high flour conversion with good baking qualities</li> <li>▪ Recommended for dry areas like Rongai and Naivasha</li> </ul>
29. KSRR 11	Kenya Kingbird	2012	KARI	KARI-Njoro	Below 1800	3-4	6	<ul style="list-style-type: none"> <li>▪ Developed for Adult plant resistance to both stem rust and yellow rus</li> <li>▪ A good parent in breeding especially for rust diseases</li> <li>▪ White grain with very high test weight and flour conversion</li> </ul>
30. 09B4	KS-Kanga	2013	Kenya Seed Co.	Kenya Seed Co.	1800-2500 Narok, Nanyuki, Uasin Gishu, Njoro	3-4.5	1.8-3.8	<ul style="list-style-type: none"> <li>▪ Tolerant to glume blotch, ear-rot, stem rust</li> <li>▪ Good tillering ability</li> <li>▪ Good baking quality</li> <li>▪ Slow rusting</li> </ul>
31. 08B4 2	KS-Nyota	2013	Kenya Seed Co.	Kenya Seed Co.	1800-2500 m.a.s.l - Narok, Rumuruti, Rongai, Lanet, Uasin Gishu	3-4	1.8-3.5	<ul style="list-style-type: none"> <li>▪ High yield</li> <li>▪ Good tillering ability</li> <li>▪ 72.35 extraction test</li> <li>▪ Medium sprouting</li> <li>▪ Stable dough</li> </ul>

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32. CHEP BW2	Eldo Baraka	2014	University of Eldoret	University of Eldoret	1500-2700 And as rotation crop in bimodal rainfall areas	3-5	3.2- 4.5	<ul style="list-style-type: none"> <li>▪ Resistant to stem rust of wheat Ug99</li> <li>▪ Moderately Drought tolerant</li> <li>▪ Medium maturing</li> <li>▪ Erect and non lodging suitable for combine harvesting</li> <li>▪ Tolerant to Fusarium wilt and high acidity</li> <li>▪ Red seeded</li> </ul>
33. CHEP BW4	Eldo Mavuno	2014	University of Eldoret	University of Eldoret	Medium to high rainfall ,areas such as Eldoret, Kitale, Nakuru and Narok.	4-5	4.5-5.5	<ul style="list-style-type: none"> <li>▪ Stem rust resistant</li> <li>▪ Good baking quality</li> <li>▪ High gluten</li> <li>▪ Resistant to lodging</li> </ul>
34. R123 8	Kenya Hornbill	2016	KALRO	KALRO Njoro	1800 – 2100 MASL Examples of optimal growing areas: Njoro, Rongai, Endebees, Kinamba, Moiben	3-4	7.5	<ul style="list-style-type: none"> <li>▪ White hard grain</li> <li>▪ high grain protein content</li> <li>▪ Good for home baking (e.g. Chapatis)</li> <li>▪ High adult plant resistance to yellow rust and moderate resistance to stem rust</li> <li>▪ Tolerant to soil acidity</li> </ul>
35. R124 4	Kenya Deer	2016	KALRO	KALRO Njoro	Below 1800 MASL Examples of optimal growing areas: Lower Narok, Lanet, Naivasha	3-4	7.8	<ul style="list-style-type: none"> <li>▪ White hard grain</li> <li>▪ Good for home baking (e.g. Chapatis)</li> <li>▪ High adult plant resistance to stem and yellow rusts</li> <li>▪ Early maturity</li> </ul>
36. R127 1	Kenya Weaverbird	2016	KALRO	KALRO Njoro	1800 – 2100 MASL Examples of optimal	3-4	8	<ul style="list-style-type: none"> <li>▪ Amber –to – red colored hard grain</li> <li>▪ Good bread making quality</li> </ul>

					growing areas: Njoro, Rongai, Endebees, Kinamba			<ul style="list-style-type: none"> <li>▪ High adult plant resistance to stem rusts</li> <li>▪ Moderate to high tillering ability with well filled spikes</li> <li>▪ Good ability to tolerate drought, partly due to the variety's high foliage glaucosity/waxiness</li> </ul>
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37. R128 6	Kenya Peacock	2016	KALRO	KALRO Njoro	2100 – 2400 MASL Examples of optimal growing areas: Mau Narok, Timau	4-5	8.2	<ul style="list-style-type: none"> <li>▪ Amber –to – red colored hard grain</li> <li>▪ High grain protein</li> <li>▪ Excellent bread making quality</li> <li>▪ High Adult Plant Resistance to both Stem and Yellow Rusts</li> </ul>
38. R130 1	Kenya Falcon	2016	KALRO	KALRO Njoro	2100 – 2400 MASL Examples of optimal growing areas: Mau Narok, Timau	3-4	8	<ul style="list-style-type: none"> <li>▪ Red colored hard grain</li> <li>▪ Good bread making quality</li> <li>▪ Excellent seedling and adult plant resistance to stem rust</li> <li>▪ Highly resistant to yellow rust</li> <li>▪ Long, well filled spikes</li> <li>▪ Medium Maturity</li> </ul>
39. R130 2	Kenya Songbird	2016	KALRO	KALRO Njoro	1800 – 2100 MASL Examples of optimal growing areas: Njoro, Rongai, Endebees, Kinamba, Upper Narok	3-4	8.2	<ul style="list-style-type: none"> <li>▪ Amber –to – red colored hard grain</li> <li>▪ High grain protein</li> <li>▪ Good bread making quality</li> <li>▪ Moderate Adult Plant Resistance to both Stem and yellow rusts</li> <li>▪ Medium maturity</li> </ul>

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40. R1305	Kenya Pelican	2016	KALRO	KALRO Njoro	2100 – 2400 MASL Examples of optimal growing areas: Mau Narok, Timau	4-5	8.5	<ul style="list-style-type: none"> <li>▪ Red colored hard grain; good bread making quality</li> <li>▪ High adult plant resistance to stem and yellow rusts</li> </ul>
41. 013B 31	KS Wheat 04	2018	KSCo	KSCo	1800 - 2500 m.a.s.l. (Timau, Narok, Nanyuki, Nakuru, Uasin Gishu, Trans Nzoia)	3-4	3.85	<ul style="list-style-type: none"> <li>▪ Spring type; &gt;7 Tillers per plant hence good tillering ability</li> <li>▪ Average height 90cm</li> <li>▪ Good stem rust resistance 2/5 (APR to Sr &amp; Yr)</li> <li>▪ Red-coloured hard grains</li> <li>▪ Good milling and for bread baking (i.e. whole grain bread)</li> <li>▪ Resistant to lodging</li> </ul>
42. R1494	Kenya Kasuku	2019	KALRO	KALRO-NJORO	Altitude:800 – 2400 masl AEZ: LH2, LH3, UH2, UH3 Examples: Njoro, Mau-Narok, Upper Narok, Timau, Oljororok, Kinamba, Moiben	3-4, (Medium)	7.0 – 8.0	<ul style="list-style-type: none"> <li>▪ Red hard grain</li> <li>▪ Good milling and baking qualities</li> <li>▪ Moderately resistant to original Ug99 races</li> <li>▪ In warmer weather, susceptible to “isolate TTKTT” and integrated management will be required</li> <li>▪ Long well filled spikes</li> <li>▪ Semi dwarf; resistant to lodging</li> </ul>
43. R1495	Kenya Jacana	2019	KALRO	KALRO-NJORO	Altitude:800 – 2400 masl AEZ: LH2, LH3, UH2, UH3 Examples: Njoro, Mau-Narok, Upper	3-5(Medium-slightly late)	6.5 - 8.0	<ul style="list-style-type: none"> <li>▪ Red hard grain</li> <li>▪ Good milling and baking qualities</li> <li>▪ Moderately resistant to original Ug99 races</li> <li>▪ In warmer weather, susceptible to “isolate TTKTT” and integrated</li> </ul>

					Narok, Timau, Oljororok, Kinamba, Moiben			management will be required ▪ High tillering ability ▪ Semi dwarf; resistant to lodging
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44. R1573	Kenya Impala	2020	KALRO	KALRO-NJORO	Altitude: 1800 -2400 masl AEZ: LH2, LH3, UH2, UH3 Example of Sites: Njoro, Moiben, Lower Narok, Timau, Oljororok)	3-4 (Early)	7.0 – 8.0	<ul style="list-style-type: none"> <li>▪ White Hard Grain</li> <li>▪ Good milling and baking qualities</li> <li>▪ Resistant to yellow rust</li> <li>▪ Moderate to high resistance to stem rust subject to seasonal disease pressure</li> <li>▪ Resistant to lodging</li> <li>▪ Well filled and closed spikes</li> </ul>
45. R1575	Kenya Hyrax	2020	KALRO	KALRO-NJORO	Altitude: 1800 -2400 masl AEZ: LH2, LH3, UH2, UH3 Example of Sites: Njoro, Moiben, Narok, Timau, Oljororok)	3-4(Slight ly Early-Medi u m)	6.5 - 7.5	<ul style="list-style-type: none"> <li>▪ Red Hard Grain</li> <li>▪ Good milling and baking qualities</li> <li>▪ Resistant to yellow rust</li> <li>▪ Moderate to high resistance to stem rust subject to seasonal disease pressure</li> <li>▪ High tillering ability</li> </ul>
46. R1585	Kenya Pweza	2021	KALRO	KALRO NJORO	Altitude: 1800-2400 m.a.s.l AEZ: LH2, LH3, UH2, UH3 Site: Njoro, Moiben, Lower Narok, Kinamba, Oljororok	3-4(Ealy)	6.5-7.5	<ul style="list-style-type: none"> <li>▪ Red hard grain</li> <li>▪ Early maturity, Moderate resistance to "Ug99" races of stem rust</li> <li>▪ High tillering ability</li> <li>▪ Good milling and baking qualities</li> <li>▪ Semi dwarf ; tolerant to lodging</li> </ul>
47. R1601	Kenya Turaco	2021	KALRO	KALRO Njoro	Altitude: 1800-2400 m.a.s.l AEZ:	3-4 (Mediu m)	6.0-8.0	<ul style="list-style-type: none"> <li>▪ White Hard Grain</li> <li>▪ Medium maturity</li> </ul>

					LH2, LH3, UH2, UH3 Sites: Njoro, Mau Narok, Upper Narok, Kinamba, Timaug			<ul style="list-style-type: none"><li>▪ Moderate resistance to “Ug99” races of stem rust</li><li>▪ High biomass- suitable source of straw for hay</li><li>▪ Good milling and baking qualities</li><li>▪ Semi-dwarf; tolerant to lodging</li></ul>
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