

Species: *Amaranthus spp.*

Variety name	Release name	Year of release	Owner(s) licensee	Maintainer and source	Areas for optimal production	Maturity duration	Yield (t/ha)	Special attributes
1. AM 38	KK Livokoyi	2017	KALRO and University of Eldoret	KALRO (Kakamega)	250-2000 m.a.s.l UH, UM, LM, Lowland zone	1.5	5	<ul style="list-style-type: none"> <li>Long period of leaf harvesting (30 days)</li> <li>High mineral content: 1.Ca mg/100 g = 158 2.Mg mg/100 g = 92 3.Zn mg/100 g = 0.5</li> </ul>
2. Ex-Zim	KK Mrambi	2017	KALRO and University of Eldoret	KALRO (Kakamega)	250-2000 m.a.s.l UH, UM, LM, Lowland zone	1.5	6	<ul style="list-style-type: none"> <li>Long period of leaf harvesting, (45 days)</li> <li>High mineral content: 1.Ca mg/100 g = 462 2.Mg mg/100 g = 238 3.Zn mg/100 g = 0.4</li> </ul>
3. KAM 114	KAT Gold	2018	KALRO Katumani	KALRO Katumani	20 - 2400 m.a.s.l Thrives well at 22-350C, Suitable for a wide range of agro ecological zones including high altitude areas, medium altitudes and low lands	2-4	1.8 – 2.5	<ul style="list-style-type: none"> <li>Golden seeded, bushy and bears panicles on all branches</li> <li>It is dual purpose and produces both grain and vegetables</li> <li>Early maturing (80-100 days)</li> <li>Relatively drought tolerant (gives reasonable yields even when the rainfall is as low as 200mm)</li> <li>Highly nutritious, contains high quality proteins (20%) and particularly rich in amino acid lysine</li> <li>Contains calcium, iron, phosphorous and vitamins A, D and B complex</li> <li>Has high quality oils (10.4%)</li> <li>Highly digestible, Immune booster particularly good for the malnourished and those with low immunity</li> <li>Grain amaranth is blended with other cereals to improve their nutritive qualities</li> </ul>

								<ul style="list-style-type: none"> <li>▪ Sprouts easily (for amaranth sprouts)</li> <li>▪ Has good popping qualities (popped amaranth is an excellent breakfast cereal).</li> </ul>
Variety name	Release name	Year of release	Owner(s) licensee	Maintainer and source	Areas for optimal production	Maturity duration	Yield (t/ha)	Special attributes
4. Katumani White (KAM 001)	Terere Smart	2018	KALRO Katumani	KALRO Katumani	20 - 2400 m above sea level (asl), - Thrives well at 22-350C, Suitable for a wide range of agro ecological zones including high altitude areas, medium altitudes and low lands	2.5-3	1.3 – 1.5	<ul style="list-style-type: none"> <li>▪ The seed colour is whitish cream, making it attractive to processors</li> <li>▪ The main stem is erect and bears a big panicle at the apex</li> <li>▪ Dual purpose (grain and vegetables), Early maturing (75-90 days)</li> <li>▪ Relatively drought tolerant (gives reasonable yields even when the rainfall is as low as 200mm)</li> <li>▪ Highly nutritious, contains high quality proteins (18.5%) and especially rich in amino acid lysine</li> <li>▪ Contains calcium, iron, phosphorous and vitamins A, D and B complex</li> <li>▪ Has high quality oils (9%)</li> <li>▪ Highly digestible</li> <li>▪ Immune booster, particularly good for the malnourished and those with low immunity</li> <li>▪ Grain amaranth is blended with other cereals to improve their nutritive qualities</li> <li>▪ Has good popping qualities (popped amaranth is an excellent breakfast cereal).</li> </ul>

