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| Banana PRODUCT PROFILE: Matooke | | | | |
| Region/Market segment | Trait (economic, sustainability, livelihood) and value | Target trait level | Market Priority | Selection Objective |
| *Highlands of East and Central Africa* | | | | |
| Fresh market and processing | Yield | 30% greater than Mbwazirume variety across a range of soil and management conditions | 1 | Maximize |
| Table quality (needs regional assessment) | A general acceptability score of at least 4 (on a hedonic scale of 1 to 6), using Mbwazirume as a check (acceptability is tested after cooking as taste, aroma, colour, texture/mouth-feel) | 1 | Reach threshold |
| Earliness: planting to harvest | 300 to 390 days | 2 | Minimize |
| Plant stature (girth at 1m/height ratio) | A ratio of at least 0.15 | 2 | Maximize |
| Plant height | Less than 350 cm | 2 | Minimize |
| Suckering behavior | 75% follower sucker growth at flowering, 3-4 suckers at flowering | 2 | Optimize |
| Resistance to black Sigatoka | INSL at flowering of 70% and above | 3 | Reach threshold |
| Resistance to weevils | 40% resistance higher than that of the moderate resistant check (Kainja) | 2 | Maximize |
| Resistance to *Radopholus similis and P .goodeyi* | 40% resistance higher than that of the moderate resistant check (Kainja) | 2 | Maximize |
| Resistance to BXW | Sources of resistance to be identified | 2 | Opportunistic |
| Bunch orientation | Pendulous score of 1 or 2 | 1 | Opportunistic |
| Drought tolerance (water productivity)-Needs regional assessment. | Tools to be developed | 3 | Reach threshold |
| High ProVitA content | Average –Carotene (≥20 μg/ g dry weight) | 2 | Opportunistic |
|  | Fusarium | Comparable to resistant check (Calcutta 4) | 1 | Maximize |
|  | Resistance to BBTV | Sources of resistance to be identified | 3 | Opportunistic |



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| MCHARE PRODUCT PROFILE | | | | |
| Region/Market segment | Trait (economic, sustainability, livelihood) and value | Target trait level | Market Priority | Selection Objective |
| Arusha/Kilimanjaro | | | | |
| Fresh market and processing | Yield | 15% greater than Huti White Bell | 1 | Maximize |
| Table quality (palatability) | Texture comparable to Mchare laini. Need metrics | 1 | maximize |
| Bunch compactness | Comparable to Huti White | 2 | maximize |
| Earliness: planting to harvest (production cycle) | <365 day | 2 | Minimize |
| Plant stature (girth at 1m/height ratio) | A ratio of at least 0.15 | 2 | Maximize |
| Plant height | <2.75 m | 1 | Minimize |
| Suckering behavior | >50% follower sucker growth at harvest | 2 | Maximize |
| Average Fruit weight | >150g – 200g | 1 | Optimize |
| Storage duration of fruits (shelf life) | >5 days from harvest until fruit begins to yellows under natural conditions | 2 | Maximize |
| Resistance to black Sigatoka | INSL at flowering of 70% and above | 2 | Reach threshold |
| Resistance to weevils | Resistance higher than that of the susceptible check (Huti White) | 2 | Maximize |
| Resistance to Radopholus similis and P.goodeyi | Resistance higher than that of the susceptible check (Huti White) | 2 | Maximize |
| Resistance to Fusarium | Comaprable to resistant check (Calcutta 4) | 1 | Maximize |
| Resistance to BBTV | Sources of resistance to be identified | 3 | Opportunistic |
| Bunch orientation | Pendulous score of 1 or 2 | 1 | Opportunistic |
| Fruit parthenocapy and fertility | Parthenocarpic fruit development without seed production | 1 | Maximize |
| Drought tolerance (water productivity) | Tools to be developed | 3 | Reach threshold |
| High pVAC content | Average total carotenoid content of 12 ug/g fresh weight at the green stage | 2 | Opportunistic |