

**DUS characteristics of example/reference varieties in Arecanut (*Areca catechu* L.)**

Sl. No.	Accession \ Traits	Mang	Sum	Sree	Mohit	Swarna	Nalbari	Kahi	Sagar	Sirsi	Thirtha	Madhu	SKL	Kodinar	HD	VTLAH 1	VTLAH 2
1.	Seedling girth (cm)	Low (2)	Med. (4)	Med. (4)	High (6)	Med. (4)	Med. (4)	High (6)	Low (2)	Low (2)	Med. (4)	Med. (4)	Med. (4)	High (6)	Low (2)	High (6)	High (6)
2.	Number of leaves/ seedling	Many (7)	Many (7)	Med. (5)	Med. (5)	Med. (5)	Many (7)	Many (7)	Many (7)	Med. (5)	Few (3)	Few (3)	Med. (5)	Many (7)	Few (3)	Many (7)	Many (7)
3.	Seedling height (cm)	Short (3)	Med. (5)	Tall (7)	Tall (7)	Med. (5)	Med. (5)	Tall (7)	Tall (7)	Med. (5)	Tall (7)	Med. (5)	Tall (7)	Med. (5)	Short (3)	Short (3)	Short (3)
4.	Crown shape	Droop. (4)	Interm. (6)	Interm. (6)	Interm. (6)	Droop. (4)	Interm. (6)	Interm. (6)	Interm. (6)	Interm. (6)	Interm. (6)	Interm. (6)	Interm. (6)	Interm. (6)	Upr. (8)	Interm. (6)	Interm. (6)
5.	Plant height (m)	Med. (5)	Med. (5)	Tall (7)	Tall (7)	Med. (5)	Med. (5)	Tall (7)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Tall (7)	Med. (5)	Short (3)	Short (3)	Short (3)
6.	Crown length (m)	Med. (4)	Med. (4)	Long (6)	Long (6)	Long (6)	Long (6)	Long (6)	Long (6)	Med. (4)	Med. (4)	Med. (4)	Long (6)	Med. (4)	Short (2)	Short (2)	Short (2)
7.	Internode length (cm)	Med. (4)	Med. (4)	Long (6)	Long (6)	Med. (4)	Long (6)	Long (6)	Long (6)	Long (6)	Long (6)	Med. (4)	Long (6)	Med. (4)	Short (2)	Short (2)	Short (2)
8.	Leaf length (cm)	Med. (5)	Long (7)	Long (7)	Long (7)	Med. (5)	Long (7)	Med. (5)	Long (7)	Long (7)	Long (7)	Long (7)	Long (7)	Long (7)	Short (3)	Short (3)	Short (3)
9.	Leaf breadth (cm)	Med. (5)	Broad (7)	Med. (5)	Med. (5)	Med. (5)	Broad (7)	Med. (5)	Broad (7)	Med. (5)	Med. (5)	Med. (5)	Broad (7)	Med. (5)	Narrow (3)	Narrow (3)	Narrow (3)
10.	Leaf sheath length (cm)	Med. (4)	Med. (4)	Long (8)	Long (8)	Long (8)	Long (8)	Med. (4)	Long (8)	Med. (4)	Long (8)	Med. (4)	Long (8)	Med. (4)	Short (2)	Short (2)	Short (2)
11.	Leaf sheath breadth (cm)	Narrow (2)	Med. (4)	Med. (4)	Med. (4)	Broad (8)	Broad (8)	Med. (4)	Med. (4)	Narrow (2)	Med. (4)	Narrow (2)	Med. (4)	Med. (4)	Narrow (2)	Narrow (2)	Narrow (2)
12.	Initiation of flowering (months)	Early (2)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Late (8)	Med. (5)	Med. (5)	Med. (5)
13.	Spadix length (cm)	Long (7)	Med. (5)	Long (7)	Long (7)	Med. (5)	Long (7)	Long (7)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Long (7)	Med. (5)	Short (3)	Short (3)	Short (3)
14.	Spadix breadth (cm)	Broad (7)	Med. (5)	Med. (5)	Broad (7)	Broad (7)	Med. (5)	Broad (7)	Med. (5)	Med. (5)	Broad (7)	Broad (7)	Broad (7)	Broad (7)	Narrow (3)	Narrow (3)	Narrow (3)
15.	Number of female flowers per inflorescence	Many (6)	Many (6)	Many (6)	Many (6)	Many (6)	Many (6)	Med. (4)	Many (6)	Many (6)	Many (6)	Many (6)	Med. (4)	Many (6)	Few (2)	Med. (4)	Med. (4)

16.	Orientation of infructescence	Horiz. (4)	Horiz. (4)	Horiz. (4)	Droop. (6)	Horiz. (4)	Horiz. (4)	Horiz. (4)	Horiz. (4)	Horiz. (4)	Horiz. (4)	Droop. (6)	Horiz. (4)	Horiz. (4)	Upr. (2)	Horiz. (4)	Horiz. (4)
17.	Colour of the nuts	Yellow (3)	Pale Orange (7)	Pale Orange (7)	Orange (9)	Deep yellow (5)	Pale Orange (7)	Orange (9)	Pale yellow (1)	Pale Orange (7)	Pale Orange (7)	Orange (9)	Orange (9)	Deep yellow (5)	Deep yellow (5)	Pale Orange (7)	Pale Orange (7)
18.	Shape of the nuts	Oblong (6)	Oval (4)	Round (2)	Oblong (6)	Round (2)	Round (2)	Oval (4)	Oval (4)	Oval (4)	Round (2)	Round (2)	Oblong (6)	Round (2)	Round (2)	Round (2)	Oval (4)
19.	Fresh fruit weight (g)	Med. (5)	Med. (5)	High (7)	High (7)	High (7)	High (7)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	High (7)	Low (3)	Low (3)	Low (3)
20.	Fruit length (cm)	Med. (4)	Med. (4)	Long (6)	Med. (4)	Long (6)	Med. (4)	Med. (4)	Med. (4)	Med. (4)	Long (6)	Low (2)	Med. (4)	Med. (4)	Short (2)	Short (2)	Short (2)
21.	Fruit breadth (cm)	Med. (4)	Med. (4)	Broad (6)	Broad (6)	Broad (6)	Broad (6)	Broad (6)	Med. (4)	Med. (4)	Med. (4)	Med. (4)	Broad (6)	Broad (6)	Narrow (2)	Narrow (2)	Narrow (2)
22.	Dry fruit weight (g)	Med. (5)	Med. (5)	High (7)	High (7)	High (7)	High (7)	High (7)	Med. (5)	Med. (5)	Med. (5)	High (7)	Med. (5)	High (7)	Low (3)	Low (3)	Low (3)
23.	Kernel length (mm)	Med. (5)	Med. (5)	Long (7)	Med. (5)	Long (7)	Long (7)	Med. (5)	Long (7)	Long (7)	Long (7)	Long (7)	Long (7)	Long (7)	Short (3)	Short (3)	Short (3)
24.	Kernel breadth (mm)	Med. (5)	Med. (5)	Broad (7)	Med. (5)	Broad (7)	Broad (7)	Med. (5)	Narrow (3)	Narrow (3)	Narrow (3)	Med. (5)	Med. (5)	Broad (7)	Narrow (3)	Narrow (3)	Narrow (3)
25.	Dry kernel weight (g)	Med. (5)	Med. (5)	High (7)	Med. (5)	High (7)	High (7)	Med. (5)	Med. (5)	Med. (5)	Low (3)	Med. (5)	Low (3)	Med. (5)	Low (3)	Low (3)	Low (3)
26.	Dry kernel weight/ palm (kg)	Med. (5)	High (7)	High (7)	High (7)	High (7)	High (7)	High (7)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	High (7)	Low (3)	Med. (5)	Med. (5)
27.	Husk thickness (mm)	Thick (6)	Med. (4)	Med. (4)	Thick (6)	Med. (4)	Med. (4)	Thick (6)	Med. (4)	Med. (4)	Med. (4)	Thin (2)	Med. (4)	Thick (6)	Low (2)	Low (2)	Low (2)
28.	Dry husk weight (g)	High (7)	Med. (5)	Med. (5)	High (7)	Med. (5)	Med. (5)	High (7)	Med. (5)	Med. (5)	Med. (5)	Low (3)	Med. (5)	High (7)	Low (3)	Low (3)	Low (3)
29.	Kernel recovery (%)	Low (3)	High (7)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	Low (3)	Low (3)	Med. (5)	Med. (5)	Med. (5)	Med. (5)	High (7)	Med. (5)	Med. (5)

Mang- Mangala; Sum - Sumangala; Sree - Sreemangala; Mohit - Mohitnagar; Swarna - Swarnamangala; Kahi - Kahikuchi; Thirtha - Thirthahalli; Madhu - Madhuramangala; SKL - South Kanara Local; HD - Hirehalli Dwarf; VTLAH 1 - Vittal Areca Hybrid 1; VTLAH 2 - Vittal Areca Hybrid 2; Droop. - Drooping; Horiz. - Horizontal; Interm. - Intermediate; Med. - Medium; Upr. - Upright