

GCH-9 (JHB-1018)

Year of release	: 2018
Notified vide S.O. No. & date	: 6318 (E)-26-12-2018
Released at Central or State level	: State
Developed by	: Main Oilseeds Research Station, JAU, Junagadh, Gujarat
Pedigree / type of material	: SKP-84 x PCS-124
Recommended state(s)	: Gujarat
Recommended ecology	: Irrigated conditions
Duration	: Medium
Days to maturity for first picking	: 110-120 DAS
Growth habit	: Medium
Mean seed yield (kg/ha)	: 3820 (Irrigated)
Special attributes	: Resistant to <i>Fusarium</i> wilt and <i>Macrophomina</i> root rot
Source of seed	: Main Oilseeds Research Station, JAU, Junagadh

	Hybrid	Female	Male
Morphological description	GCH-9	SKP-84	PCS-124
Vegetative phase			
Plant characters			
Hypocotyl anthocyanin coloration	Present	Present	Present
Stem colour	Red	Red	Green
Bloom	Triple	Triple	Double
Type of internodes on stem	Elongated	Condensed	Elongated
Branching pattern	Divergent	Convergent	Divergent
Location of branches	Basal	Basal	Basal
Plant type	Normal	Dwarf	Normal
Leaf characters			
Anthocyanin pigmentation of young emerging leaves	Present	Present	Absent
Anthocyanin coloration of fully grown lamina	Present	Present	Absent
Shape	Shallow cup	Deep Cup	Flat
Lascination(on 4th leaf from top)	Shallow	Shallow	Shallow
Hairiness	Absent	Absent	Absent
Number of lobes	Few (<10)	Few (<10)	Many (>10)
Petiole surface	Smooth	Smooth	Smooth
Reproductive phase			
Type of flowers on primary spike	Pistillate with interspersed male flowers	Pistillate	Monoecious
Spike characters			
Shape	Cylindrical	Conical	Conical
Compactness	Semi compact	Semi compact	Semi compact

Capsule characters			
Colour	Green	Green	Green
Spininess	Spiny	Spiny	Spiny
Size	Medium	Medium	Medium bold
Seed characters			
Size	Medium	Medium	Medium bold
Shape	Oval	Oval	Oval
Colour	Light chocolate	Chocolate	Light brown
Mottling	High	High	High
Caruncle	Small	Small	Small
Quantitative description			
Days to 50% flowering	55-65	60-65	55-60
Days to maturity to first picking (DAS)	110-120	115-120	100-110
Plant height up to base of primary (cm)	60-70	60-65	55-60
Number of nodes to primary raceme			
	Mean	16	22
	Range	14-17	19-25
100 seed weight (g)	28.5	29.1	23.6
Oil content (%)	48.3	47.9	49.1

GCH-9 Field View

