

GCH-7 (SHB-758)

Year of release	: 2007
Notified vide S.O. No. & date	: 1178 (E) 20-07-2007
Released at Central or State level	: State
Developed by	: SDAU, S. K. Nagar
Pedigree / type of material	: SKP-84/SKI-215
Recommended states	: Gujarat
Recommended ecology	: Irrigated and rainfed conditions
Duration	: Medium
Days to maturity for first picking	: 110-120 DAS
Growth habit	: Medium
Mean seed yield (kg/ha)	: 3000
Special attributes	: Resistant to nematode-wilt complex
Source of seed	: Gujarat State Seed Corporation, Gandhinagar

Morphological description of parents of GCH-7

Vegetative phase		Female	Male
Plant characters		SKP-84	SKI-215
Stem colour	Light red/Mahogany	Mahogany	Mahogany
Bloom	Triple	Triple	Double
Type of internodes on stem	Elongated	Condensed (with 3-5 nectary glands)	Elongated
Branching pattern	Divergent	Convergent	Divergent
Location of branches	Basal	Basal	Basal
Plant height	Medium to tall	Short	Medium to tall
Plant type	Normal	Dwarf	Normal
Leaf characters			
Shape	Slightly cup shaped	Cup	Flat
Lascination on 4th leaf from top	Shallow	Shallow	Shallow
Flower characters			
Type of flowers on primary spike	Interspersed	Female	Interspersed/monoecious
Spike characters			
Size	Medium	Long	Medium
Arrangement of capsules	Semi- Compact	Semi compact	Loose
Capsule characters			
Spininess	Semi spiny	Spiny	Non spiny
Seed characters			

Size	Medium bold	Medium bold	Medium
Colour	Light chocolate	Chocolate	Light chocolate
Quantitative description			
Days to 50% flowering	60	60-65	59-62
Days to maturity (first picking)	110-120	115-120	115-120
Number of nodes to primary raceme	18-22	22	20
		19-25	18-22
Plant height up to base of primary (cm)	80-90	50-55	90-110
100 seed weight (g)	28-29	28.5-29.5	26.5-27.5
Oil content (%)	48-49	46.5-47.5	45.5-46.5

