Central varieties of Cowpea/Lobia in India

Variety	Year of Release	Originating centre	Yield (q/ha)	Days to maturity	Area of adaptation	Agronomic features	Salient features
GRAIN COWPEA VARIETIES							
Pant Lobia 4 (PGCP-14) /Pant grain Cowpea-14	2015	G.B. PUA&T, Pantnagar (UK)	14-18	60-65	SZ (KR), CZ (GJ) NEPZ (JH) NWPZ(RJ,UP,UK)	Summer	It has tolerance to major bacterial and viral diseases like yellow mosaic, photo insensitive and drought tolerant.
Pant Lobia-3 (PGCP-6)	2015	G.B. PUA&T, Pantnagar (UK)	14-18	65-70	SZ (KA, KR, OD, TN), CZ (GJ) NEPZ- JH NWPZ- UP, UK	Kharif & Summer	Resistant to YMV and bacterial blight, bush type.
Pant Lobia-5 (PGCP-12) (Pant Grain Cowpea-12)	2017	G.B. PUA&T, Pantnagar (UK)	16-20	65-70	SZ (KA, KR) CZ (GJ) NWPZ(RJ,UP,UK)	Kharif & Summer	It is tolerant to aphid thrips bruchids and resistant to CYMV, Protein 23 to 25 %.
Phule Rakhumai PCP 0306-1	2017	MPKV,Rahuri (M.H)	10-11	70-80	SZ (AP, KA, KR, OD, TN, TL)	Rainfed and irrigated	Moderately resistant to Cercospora leaf Spot.
TPTC 29 (Tirupati cowpea-1)	2017	RARS,ANGRAU, (AP)	10-11	80-90	SZ (AP,KA,OD,TN)	Kharif, Rabi and Summer season.	Moderately resistant to dry root rot and YMV.
DC 15	2017	UAS, Dharwad (Karnataka)	10-13	75-80	SZ (KA,AP,TN,KR)	Rainfed and irrigated	Tolerant to aphids, wide adaptability from deep black to red loamy soil, tolerant to pod borer, moderate resistant to dry root rot and YMV.
KBC-9	2018	GKVK, Bangalore (Karnataka)	12-13	80-85	SZ (AP,KA,KR,TN, OD)	Rainfed/irrigated	Highly resistant against the pod borer. Suitable for in-situ green manure/fodder after harvest, Resistant to dry root rot and collar rot, moderately resistant to YMV.
Pant Grain Cowpea-7 (PGCP-24)	2021	G.B. PUA&T, Pantnagar (UK)	11-12	70-75	Northern part of the country	Rainfed/irrigated	Protein content 27%, and resistant to YM
VEGETABLE COWPEA VARIETIES							
Swarna Harita (IC285143)	2008	ICAR-RCER, Patna (Bihar)	60-150	75-90	NEPZ/CZ (WB, AS, BH, JH/ CG, NWPZ (UP, PN)	Spring-summer and rainy	Resistant to rust and mosaic viral disease.

Variety	Year of Release	Originating centre	Yield (q/ha)	Days to maturity	Area of adaptation	Agronomic features	Salient features
GRAIN COWPEA VARIETIES							
					SZ (TN,OD,AP,KR)		
Swarna Suphala	2008	ICAR-IIVR, Varanasi (UP)	145-150	45-50	NEPZ (JH, BH) SZ (KA, KR)	Kharif & Summer	Resistant to rust and cowpea mosaic virus
Kashi Kanchan (VRCP-4)	2008	ICAR-IIVR, Varanasi (UP)	150-175	50-55	NWPZ (PN, UP) CZ (CG, MP, MH) SZ (AP, OD) NEPZ (BH, JH)	Early Kharif Season	It is resistant to Golden mosaic virus. Moderately tolerant to jassid, aphid and pod borer.
Kashi Nidhi (VRCP-6)	2012	ICAR-IIVR, Varanasi (UP)	140-150	40-45	NWPZ (PN, UP) NEPZ (BH, JH)	Summer & rainy season	Plants dwarf, erect and bushy, with 20-25 pods per plant. Fruits are green, 25-30 cm long. Golden mosaic virus and Pseudocercospora cruenta tolerant .
Pusa Dharni (CP-55)	2019	IARI, Pusa (New Delhi)	120-150	45-50	NWPZ (HR,RJ, DL) CZ- GJ	Spring-summer & Kharif	The pods are smooth, slender, round, straight and light green
FOODER COWPEA VARIETIES							
UPC 622	2007	G.B. PUA&T, Pantnagar (UK)	145-150	35-40	NEPZ (AS,BH,WB) NWPZ (HR, JH, PN, RJ, UP, UK) NHZ (HP, J&K) CZ- MP, SZ - OD	Early Kharif Season	Tolerant to drought & other edaphic stresses. Resistant to cowpea YMV, Anthracnose, Root/Collar Rot and BLB diseases, aphids, leaf miner, flea beetle/defoliators, pod borer and root know nematode. Tolerant to bruchids.
UPC 628	2010	G.B. PUA&T, Pantnagar (UK)	145-150	35-40	NEPZ (AS, BH, HR, HP , J&K, WB) NWPZ (PN, RJ, UP, UK) CZ (CG, GJ, MP, MH) SZ- OD	Irrigated Summer & Rainfed Kharif Medium Late	Tolerant to drought and other edaphic/abiotic stresses. Resistant to cowpea yellow mosaic virus, anthracnose/leaf blight diseases.
Bundel Lobiya -4 (IL- 1177)	2015	IGFRI, Jhansi (Uttar Pradesh)	200-250	45-50	NEPZ (UP, AS, DL) SZ- OD	Kharif	Free from diseases and yellow mosaic virus and nil-very low incidence of aphid and flea beetle.
TC-901	2018	BARC, Mumbai (Maharashtra)	70-100	69-75	NWPZ (UK, RJ, CZ (GJ, MH, MP) NEPZ- WB	Summer season Timely sown min. Irrigation	Resistant to whitefly and tolerant to spotted pod borer.

State released varieties of Cowpea/Lobia in India

Variety	Year of Release	Originating centre	Yield (q/ha)	Days to maturity	Area of adaptation	Agronomic features	Salient features
Khalleshawari	2007	IGKV, Raipur (Chhattisgarh)	5-7	70-75	Chhattisgarh	Rainfed Rice Fallows and Rainfed Uplands	Resistance for Lodging and Shattering.
IT-38956-1	2009	GKVK,Bangalore (Karnataka)	10-12	80-85	Karnataka	Rainfed areas of eastern dry region	Tolerant to water stress and hence suitable for dry lands. Tolerant to leaf spot & rust diseases.
Pant Lobia- 2	2010	G.B. PUA&T, Pantnagar (UK)	14-18	75-80	Uttarakhand	Summer	It has tolerance to major bacterial and viral diseases like yellow mosaic, photo insensitive and drought tolerant,
Hisar Cowpea -46 (HC 98-46)	2010	CCS HAU,Hisar (Haryana)	10-12	65-70	Haryana	Coastal saline areas	Drought tolerant resistant to YMV.
C 519 (Himachal Lobiya 11)	2010	CSK, HAU, Palampur (HP)	15-16	80-85	Himachal Pradesh	Sub tropical zone under rainfed	Highly Resistant to Cercospora Leaf Spot and Yellow Mosaic Virus and Viral Diseases.
Hidrudaya	2010	ORARS (Kerala)	10-12	50-55	Kerala	Summer rice fallows	Tolerant to aphids, pod borers and american serpentine leaf miner. Tolerant to leaf rust
Pant Lobia-1	2010	G.B. PUA&T, Pantnagar (UK)	15-20	65-70	Uttarakhand	Kharif, Spring, Summer	Resistant to YMV and drought tolerant. High level of resistance to major fungal, bacterial & viral diseases.
DCS 47-1	2014	UAS, Dharwad (Karnataka)	14-15	80-85	Karnataka	Late kharif, in light & loamy soil	Resistant to YMV and bacterial blight, bush type.
Phule Vithai (Phule CP-05040)	2016	MPKV,Rahuri (M.H))	12-14	70-80	Maharashtra	Kharif,	Moderately resistant to color rot and leaf spot.
Karan Chanwla 1 (CPD 119)	2018	RARI,Durgapura, (Rajasthan)	10-12	70-75	Rajasthan	Rainfed/ Irrigated	Tolerant to moisture stress, non-shattering, Mod. resistant against mosaic, necrosis, root rot and CLS, low incidence of pod borer, aphids and leaf hopper.
GC 6 (GC 521)	2018	SDAU, (Gujarat)	11-12	70-75	Gujarat	Summer	Early maturity, lesser infestation for root rot, YMV, leaf curl, leaf hopper and whitefly etc.

Variety	Year of Release	Originating centre	Yield (q/ha)	Days to maturity	Area of adaptation	Agronomic features	Salient features
VBN-3 (VCP 09-013)	2018	TNAU (Tamil Nadu)	10-12	75-80	Tamil Nadu	Rainfed	Resistant to Bean Common Mosaic Virus, rust and anthracnose diseases, pod borers.
C-475 (Himachal Lobiya 1)	2019	CSK, HAU, Palampur (HP)	21-22	70-75	Himachal Pradesh	Kharif	Highly Resistant to Cercospora Leaf Spot And Yellow Mosaic Virus and Viral Diseases.
KBC-11 (KC-8)	2021	UAS, Bangalore (Karnataka)	11-12	95-100	Karnataka	Late summer	Medium duration, bold and light seed.
PGCP 6	2021	UAS, Bangalore (Karnataka)	9-10	70-75	Karnataka	Early and late kharif	Suitable for sowing condition, yield 9.0–10.0 q/ha and early maturity (70–75 days)
Sahyadri Yukthi (UAHS 28)	2021	UAS, Bangalore (Karnataka)	12-13	80-85	Karnataka	late kharif and summer season	Suitable for of zone 4 and 7 of Karnataka, short stature and grown well in limited moisture conditions
PDKV Rutuja (AKCP 8-2-2)	2021	PDKV, Akola Maharashtra	8-9	45	Maharashtra	kharif and Summer season.	Moderately resistant to Yellow mosaic virus.
Jammu Lobia Super 60	2021	SKUAST-Kashmir, J&K	12-13	60-65	J & K	kharif -rainfed	Resistant to wilt, YMV and pod-borer, and lodging resistant due to dwarf in stature.
PhuleSonali	2023	PDKV, Akola Maharashtra	12-15	-	Maharashtra	-	Minimum incidence of Jassids and Aphids & Marruca Catterpiller
Shalimar Cowpea-2 (SKUA-WCP-149)	2023	SKUAST-Kashmir, J&K	10-12	-	J & K	-	Resistant to the Cowpea Mosaic virus and Ascochyta bligh and moderately resistant to white fly, pod borer and aphids
VEGETABLE COWPEA VARIETIES							
PKB 4	2012	UAS, GKVK, Bangalore (Karnataka)	110-130	80-85	Karnataka	Early Kharif Season	Resistant to Bacterial Leaf Blight and Rust & Pod Borer.
PKB 6	2012		100-120	80-85	Karnataka	Late Kharif And Summer Season	Resistant to Bacterial Leaf Blight, Rust and Pod Borer.
Gujarat Dantiwada Veg.Cowpea-2 (GDVC-2)	2018	SDAU, (Gujarat)	150-160	60-65	Gujarat	Kharif	Pod is pale green and smooth surface with straight and round shape.
PDKV Rutuja (AKCP 8-2-2)	2021	PDKV, Akola Maharashtra	80-85	45	Maharashtra	Kharif and summer	Protein content in pod 4.77%, maturity 45 days for first picking, and moderately resistant to yellow mosaic virus.

Variety	Year of Release	Originating centre	Yield (q/ha)	Days to maturity	Area of adaptation	Agronomic features	Salient features
FOODER COWPEA VARIETIES							
Vijay (AFC 10-1)	2015	SAU, (Telangana)	280-300	100-105	Telangana	Rainfed & Irrigated	Short duration, non twine habitat, fertilizer responsive, photo insensitive.
TNFC 0926	2017	TNAU, (Tamil Nadu)	250-300	70-75	Tamil Nadu	Irrigated summer	Free from diseases and yellow mosaic virus.
CO 9	2018	TNAU, (Tamil Nadu)	220-230	50-55	Tamil Nadu	Irrigated summer	Reduced fibre portions confer increased digestibility, palatability and intake. Moderately resistant to yellow mosaic virus
Bidhan Sadabahar (BCCP-3)	2019	BCKV, (West Bengal)	113-114	45-85	West Bengal	Pre-kharif, kharif and autumn-winter	Resistance against cowpea aphid borne mosaic virus, pod borer.

Note: *AP- Andhra Pradesh, AS- Assam, BH-Bihar, CG-Chhattisgarh, DL-Delhi, GJ-Gujarat, HP-Himachal Pradesh, HR-Haryana, JH-Jharkhand, J&K- Jammu & Kashmir, KA-Karnataka, KR- Kerala, MP- Madhya Pradesh, MH-Maharashtra, MN-Manipur, OD-Odisha, PN-Punjab, RJ-Rajasthan, TN-Tamil Nadu, TL-Telangana, UP-Uttar Pradesh, UK- Uttarakhand, WB- West Bengal, DL- Delhi.*

Source : i) Project Report, Arid Legumes, AINRP on Arid Legumes, ICAR, IIPR, Kanpur 2017-18, ii)ICAR Annual report 2022-23 iii) www.seednet.gov.in

Central & State released varieties of Horsegram/Kulthi in India

Variety	Year of Release	Area of adaptation	Maturity	Yield (kg/ha)	SpecificTraits
VL Gahat-10	2006	**North India** (J&K, HP, Punjab, UK, HR, DL, RJ, UP and UT - Chandigarh)	113-117	700-800	Resistant against stem rot and anthracnose disease
CRIDA 1-18 R	2007	**SZ** (AP, Kerala, KA, TN, OD)	90-100	800-850	Medium maturity, tolerant to PM, YMV, CLB
VL Gahat- 15	2009	North & central India	90-100	600-700	Moderately resistance against anthracnose and leaf spot disease.
VL gahat-19	2010	**North India** (J&K, HP, PN, UK, HR, DL, RJ and UP and UT Chandigarh)	100-105	850-900	Medium maturity, moderately resistance to anthracnose.
Cridalatha (CRHG-4)	2010	**SZ** (AP, Kerala, KA, TN, OD)	110	780	Black shining seeded, tolerant to YMV, CLB, PM
Indira Kulthi 1 (IKGH-05-01)	2011	CZ - Chhattisgarh	95	800	Black seed with long pod, tolerant to YMV
Gujarat (Dantiwada) Horsegram-1(GRHG-5)	2012	**NEPZ** (RJ, UP, UK and JH) **CZ**- GJ,	94	550-575	Resistant to root rot, moderately resistant to powdery mildew, collar rot and leaf blight
Cridaharsha (CRHG-19)	2014	**SZ** (AP, KN, Kerala and TN)	100	900	Tolerant to pod shattering, YMV and CLB
Pratap Kulthi-2 (AK 53)	2015	**NEPZ** (RJ, UK **CZ** (CG, MH & GJ)	80	650	Extra early maturing, lowest tannin content.
Cridavardhan (CRHG-22)	2016	**SZ** (AP, KN, Kerala and TN)	94-100	800-900	Semi compact and semi erect plant type and black seed colour, mod. resistant to anthracnose.
Phule Sakas (SHG-0628-4)	2016	CZ- Maharashtra	110-120	1000-1100	Resistant to YMV and escape drought due to earliness.
Chhattisgarh kulthi-3 (BHG-03)	2017	CZ- Chhattisgarh	85-90	500-600	Resistant to collar rot, powdery mildew leaf spot disease.
Chhattisgarh Kulthi-2 (BHW-1)	2017	CZ - Chhattisgarh	104-112	754	Resistant to powdery mildew & significantly low YMV incidence.
Chhattisgarh Kulthi-2 (BWH-1)	2018	CZ- Chhattisgarh		750	Up-land-Rainfed sowing in mid Kharif/pre-rabi season.
Bilasa Kulthi (BSP 15-1)	2019	CZ (CG, MH, JH, GJ)	102-107	1000	Less than 2.2% cerospora leaf blight 0.0% dry root rot. Under field condition: Less than 1.5 leaf hopper/leaf Less than 1.3 white fly/leaf.

Variety	Year of Release	Area of adaptation	Maturity	Yield (kg/ha)	SpecificTraits
Alakh Kulthi (BSP 17-1)	2021	CG, JH, RJ, WB and MH	100-105	Kharif :- 16-17	Suitable for rainfed, protein content 26.1% and resistant to dry root-rot and YMV.
Anantha Vulava-1 (ATPHG-11)	2021	CG, JH, RJ, WB and MH	105-110	Kharif :- 8-11	Suitable for rainfed, highly resistant to dry root-rot, and moderately resistant to YMV.
Sabri Kulthi (BSP 17-3)	2021	CG, JH, RJ, WB and MH	100-103	Kharif-: 17-18	Suitable for rainfed, resistant to dry root-rot and yellow mosaic virus, and resistant to leaf-hopper and white-fly.

Note: AP-Andhra Pradesh, CG- Chhattisgarh, DL-Delhi, GJ-Gujarat, , HR-Haryana, HP-Himachal Pradesh, J&K-Jammu & Kashmir, KA-Karnataka, MH- Maharashtra, RJ-Rajasthan, TN-Tamil Nadu, UP-Uttar Pradesh, UK-Uttarakhand, CLB-Cercospora Leaf Blight, YMV-Yellow Mosaic Virus, PM- Powdery Mildews.

Source : i) Project Report, Arid Legumes, AINRP on Arid Legumes, ICAR, IIPR, Kanpur 2017-18, ii)ICAR Annual report 2022-23 iii) www.seednet.gov.in

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Central & State released varieties of Rajmash in India

Variety	Source	Year of Release /Notification	Area of adoption zone/State	Yield (q/ha)	Maturity (Days)	Special feature
Gujarat Rajma-1	SDAU	2006	CZ - GJ	20	30-35	Moderate resistant to bean common mosaic virus
IPR 98-3-1 (Arun)	IIPR	2007	**CZ** (M.P., CG, MH, GJ, (BK- UP)	16	120	Tol. to BCMV, Gulf red seed
VL Rajma 125	VPKAS	2008	NWPZ-UK	14-15	82-85	Resistant to root rot, Mod. Resistant to *Anthracnose*, angular leaf spot & rust
VL Bean 2	VPKAS	2008	NWPZ-UK	14-15	82	Resistance to root rot, mod. Resistant to anthracnose, angular leaf spot and rust
Gujarat Rajmash 1 (DPR 88-1-2)	SDAU	2010	**CZ** (MP, MH,GJ) **NWPZ** (RJ)	15-16	52-100	The variety is moderately resistant to bean common mosaic virus. He variety was found resistant to pod borer and stem fly in comparison to iiur 137 under field condition.
Arka Anup	IIHR, Bangalore	2012	SZ-KA	18-20	43-45	Suitable for eastern dry zone of Karnataka in both kharif and rabi season
Shalimar Rajmash-2 (SKUA-R-132)	SKUAST	2018	NHZ- J&K	12-14	100	Resistant to angular leaf spot, moderately resistant to BCMV. Moderately Resistant to aphid.
Rajmash 1 (RKR 1033)	AU, Rajasthan	2018	**CZ** (MP, MH,GJ) **NWPZ** (S-RJ)	17	101	Resistant to angular leaf spot and Anthracnose and tolerance to wilt, BCMV and Alternaria leaf spot.
Phule Rajmash (GRB-902)	MPKV, NARP, Pune, Maharashtra	2019	Maharashtra	17-19	76-78	Moderately resistant to Fusarium wilt.
Badwerwah Rajmash 104 (BR 104)	SUKAS, Jammu	2021	J&K	6-7	125-130	Suitable for temperate and high hill zone, Tolerant to all the diseases. Suitable for J&K (kharif season)

Sikkim Rajmash 1 (SKR 57A)	ICAR-NOFRI, Tadong, Gangtok	2021	Sikkim	10-12	100-105	Tolerant to BCMV, anthracnose, Sikkim for rabi season
Shalimar Rajmash-3 (SKAU-WB-1634)	SKUAST (J&K)	2023	J&K	14.50	81-90	Moderately Resistant to Pod borer and whitefly
Shalimar Rajmash-4 (SKAU-WB- 341))	SKUAST (J&K)	2023	J&K	14		Moderately Resistant to Pod borer and whitefly

Note: BK-UP Bundelkhand Region of Uttar Pradesh, CG-Chhattisgarh, GJ-Gujarat, J&K-Jammu & Kashmir, KA-Karnataka, MP-Madhya Pradesh, MH-Maharashtra, RJ-Rajasthan, UK-Uttarakhand

Source : i) Project Report, Arid Legumes, AINRP on Arid Legumes, ICAR, IIPR, Kanpur 2017-18, ii)ICAR Annual report 2022-23 iii) www.seednet.gov.in

Central & State released varieties of Lathyrus/Tiwada/Lakhori in India

Variety	Year of Release /Notification	Source	Area of adoption zones/states	Maturity (Days)	Yield (q/ha)	Special feature
Prateek	2006	IGKV	Chhattisgarh	110-115	15-16	Tolerant to stress and powdery Mildew, Low ODAP (0.109%).
GNG-1581	2008	IARI	NEPZ	110	14-15	Tolerant to stress,
Mahateora	2008	IGKV	Chhattisgarh	110-115	15.5	Tolerant to stress, Low ODAP (0.074 %).
Bidhan Sadabahar (BCCP-3),	2019	BCKV, Nadia, W.B	West Bengal	85-90	11-12	Irrigated/rainfed conditions, resistant to powdery mildew, anthracnose, ashy stem blight, bacterial blight and stem fly.
BK-14-1 (LAT 15-6) Bidhan Khesari-1	2019	BCKV, Nadia, W.B	West Bengal Rice Fallow as Utera or sole crop under both irrigated or rain fed condition rice.	110-112	15-16	Resistant to powdery mildew and wilt.

Source : i) Project Report, Arid Legumes, AINRP on Arid Legumes, ICAR, IIPR, Kanpur 2017-18, ii)ICAR Annual report 2022-23 iii) www.seednet.gov.in

Central & State released varieties of Mothbean in India

Variety	Year of Release	Originating centre	Yield (q/ha)	Days to maturity	Area of adaptation	Agronomic features	Salient features
Rajasthan Moth 257 (RMO 257)	2007	RAU.Bikaner, Rajsthan	5-6	62-67	Rajasthan	Early variety, Timely Sown	Early maturing, moderately tolerant to YMV and bacterial blight.
TMV (Mb)- 1	2007	TNAU, Tamil Nadu	9-10	65-70	Tamil Nadu	Rabi	Mod. res. to YMV, White Fly, Spodoptera and Maruca and resistant to Helicoverpa.
RMO-2251 (Marudhar)	2018	RAU.Bikaner, Rajsthan	5-6	63-67	Rajasthan, Haryana, Gujarat, Punjab	Timely Sown	Erect stem with 3-5 branches, fodder remain green upto maturity, average incidence of YMV.

Source : i) Project Report, Arid Legumes, AINRP on Arid Legumes, ICAR, IIPR, Kanpur 2017-18, ii)ICAR Annual report 2022-23 iii) www.seednet.gov.in

YMV= Yellow Moasaic Virus

Central & State released varieties of Clusterbean/Guar in India

Variety	Year of Release	Area of adaptation	Maturity	Yield (q/ha)	Specific Traits
RGC-1038	2006	Rajasthan	95-100	12-15	Branched type, semi photo insensitive, suite dto summer and 23 kharif seasons, more podding, high yielding potential.
RGC- 1031	2006	Rajasthan	110-114	15-20	Seeds are average bold and content high endosperm value, tolerant to major diseases, gum content is 28.10 to 30%.
RGC-1055	2006	Rajasthan	96-106	15-20	Tolerant to bacterial blight and root rot diseases, this variety has high endosperm value, photo thermo insensitive and grown in both Kharif.
RGC-1066	2006	Rajasthan	97	10-14	This variety is resistant to bacterial blight and root rot, unbranched early high yielding suitable for inter cropping and mixed cropping, seeds are high in endosperm content and photo thermo insensitive and cultivated in kharif and zaid season.

HG-884	2010	Haryana, Gujarat, Rajasthan	90-95	14-15	High yielding variety with medium early maturity, 30-32 % gum content of 2000-3500 cP values.
HG 2-20	2010	Haryana, Gujarat, UP	90-100	20-22	Moderately resistant to wilt, Alternaria leaf blight, BLB and root rot.
HG 870	2010	Haryana	85-95	20-22	Moderately resistant to Alternaria leaf blight, BLB and root rot.
Guar Kunjal (RGC 1033)	2010	Rajasthan	95-100	15-2	Moderately resistant to Alternaria leaf blight, tolerant to BLB and root rot, Gum content 29.90 to 31.50 %.
Gujarat Guar 3 (Banas Uday)	2021	Gujarat	98-100	13-14	Suitable for kharif in arid regions,, early maturing group, lesser infestation against bacterial leaf blight, white-fly and leaf-hopper, and gum content 29.40%.

Source : i) Project Report, Arid Legumes, AINRP on Arid Legumes, ICAR, IIPR, Kanpur 2017-18, ii) www.seednet.gov.in

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