LATEST SORGHUM VARIETAL TECHNOLOGY FOR COMMERCIALIZATION

Sl. No.	Item	Details
1.	Name of Hybrid /Variety	CSV 22 (SPV 1626)
2.	Characteristics	Identified for release in rabi sorghum areas of Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu, and Gujarat under rainfed condition
3.	Performance results	Grain Yield: 23 q/ha Fodder yield: 71 q/ha Maturity: 112 days
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	Rabi sorghum variety;200 cm tall, Purple coleoptiles, leaves with white midrib, semi-compact, cylindrical panicle, tolerant to shootfly, and lodging.
6.	Social /environmental/ other benefits	This variety is for dryland rabi regions to help the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration. Acknowledgement Number: REG/2008/86 dt 3rd Jan 2008
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Officer In-charge, All India Coordinated Sorghum Improvement Project (AICSIP), Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri or Director, Indian Institute of Millets Research, Rajendranagar, Hyderabad – 500 030; Phone : 040-240599399, 040-20020027 FAX:040-24016378; dsrhyd-ap@nic.in; www.millets.res.in
12.	Source of availability/firm	Indian Institute of Millets Research, Rajendranagar, Hyderabad

Sl. No.	Item	Details
1.	Name of Hybrid /Variety	CSV 23 (SPV 1714)
2.	Characteristics	Identified for cultivation during kharif in, Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Rajasthan, Maharashtra, and Tamil Nadu
3.	Performance results	Grain Yield: 28 q/ha Fodder yield: 155 q/ha Maturity: 113 days
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	Plant height: 220 cm tall, shown distinct superiority for fodder yield, resistance to grainmold, rust, anthracnose and zonate leaf spot.
6.	Social /environmental/ other benefits	This variety helps the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration. Acknowledgement Number: REG/2008/82 dt 3rd Jan 2008
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Officer In-charge, Department of Plant Breeding and Genetics, All India Coordinated Sorghum Improvement Project (AICSIP), Maharana Pratap University of Agriculture and Technology (MPUA&T), Udaipur 313001, Rajasthan or Director, Directorate of Sorghum Research, Rajendranagar, Hyderabad – 500 030; Phone : 040-24018651, 040-20020027 FAX:040-24016378; dsrhyd-ap@nic.in; www.sorghum.res.in
12.	Source of availability/firm	Indian Institute of Millets Research, Rajendranagar, Hyderabad

Sl. No.	Item	Details
1.	Name of Hybrid /Variety	CSV 24SS
2.	Characteristics	Recommended for cultivation in all India - sorghum growing areas with irrigation facilities.
3.	Performance results	Green cane yield: 391q/ha Juice yield: 14833 l/ha Maturity: 120 days
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	Sweet Sorghum Variety- tall, medium duration variety with yellow green midrib, very long and broad leaves, well exerted loose panicle; panicle broader in lower part., characterized by higher juice yield
6.	Social /environmental/ other benefits	This variety helps the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration. Acknowledgement Number: REG/2009/332 dt 9th Oct 2009
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Director, Directorate of Sorghum Research, Rajendranagar, Hyderabad – 500 030; Phone : 040-24018651, 040-20020027 FAX:040-24016378; dsrhyd-ap@nic.in; www.sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Rajendranagar, Hyderabad

Sl. No.	Item	Details
1.	Name of the variety	CSV 26 (SPV 1829)
2.	Characteristics	Identified for release in shallow soils of rabi sorghum growing areas of India
3.	Performance results	Grain yield 1029 kg/ha, Fodder Yield 4244 kg/ha
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	The variety is superior in nutritional and roti qualities.The farmer acceptability is high due to dual purpose in nature, clean foliage (leaf disease resistance), non-senescence (green foliage up to maturity) and non-lodging.
6.	Social /environmental/ other benefits	This variety is for dryland rabi regions to help the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration.
8.	If commercialized, name and addresses of thefirms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	 
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Dr. Prabhakar, Principal Scientist, Plant Breeding, Centre on Rabi Sorghum (CRS), Directorate of Sorghum Research (DSR), Solapur 413006, Maharashtra, Office:091-217-727456; Fax: 091- 0217-727456; E-mail: prabhakar@sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Hyderabad

Sl. No.	Item	Details
1.	Name of the Variety	CSV 27 (SPV 1870)
2.	Characteristics	Identified for release in kharif as rainfed sorghum growing areas of India
3.	Performance results	Grain yield 2800 kg/ha, Fodder Yield 19300 kg/ha
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	The farmer acceptability is high due to dual purpose in nature, grain mould tolerant, non-senescence (green foliage up to maturity) and non-lodging
6.	Social /environmental/ other benefits	This variety is for dryland rabi regions to help the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration.
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Dr AV Umakanth, Principal Scientist, Plant Breeding,Directorate of Sorghum Research (DSR), Rajendranagar, Hyderabad 500030 Andhra Pradesh Office: 091-40-24018651; Fax: 091-40-24016378; E-mail: umakanth@sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Hyderabad

Sl. No.	Item	Details
1.	Name of the Variety	CSV 28 (SPV 1822)
2.	Characteristics	Identified for release in kharif sorghum growing areas of India
3.	Performance results	Grain yield 2827 kg/ha, Fodder Yield 17304 kg/ha
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	The farmer acceptability is high due to dual purpose in nature, foliar disease and grain mould tolerant, non-senescence (green foliage up to maturity).
6.	Social /environmental/ other benefits	This variety helps the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	To be applied for registration with PPV& FRA.
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	 
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Dr B.R.Ranwah Sorghum Breeder and Officer In-charge, Department of Plant Breeding and Genetics Directorate of Research, All India Coordinated Sorghum Improvement Project (AICSIP), Maharana Pratap University of Agriculture and Technology (MPUA&T), Udaipur 313001, Rajasthan
12.	Source of availability/firm	Directorate of Sorghum Research, Hyderabad &Directorate of Research, All India Coordinated Sorghum Improvement Project, Maharana Pratap University of Agriculture and Technology, Udaipur

Sl. No.	Item	Details
1.	Name of the Variety	CSV 29R (SPV 2033)
2.	Characteristics	Identified for release in rabi sorghum growing areas of Maharashtra, Karnataka and Andhra Pradesh
3.	Performance results	Grain yield 2553 kg/ha, Fodder Yield 6791kg/ha
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	The farmer acceptability is high due to dual purpose in nature, shootfly and charcoal rot resistance.
6.	Social /environmental/ other benefits	This variety is for dryland rabi regions to help the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	To be applied for registration with PPV& FRA.
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Dr. Prabhakar, Principal Scientist, Plant Breeding, Centre on Rabi Sorghum (CRS), Directorate of Sorghum Research (DSR), Solapur 413006, Maharashtra, Office:091- 217-727456; Fax: 091- 0217-727456; E-mail: prabhakar@sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Hyderabad

Sl. No.	Item	Details
1.	Name of Hybrid /Variety	CSV 30F(SPV 2057)
2.	Characteristics	Identified for release in forage sorghum areas of Rajasthan, Gujarat, Uttarakhand, Uttar Pradesh, Haryana, Punjab, Maharashtra, Karnataka, and Tamil Nadu
3.	Performance results	Greed fodder yield: 430-460 q/ha Dry fodder yield: 130-150 q/ha Maturity: 115-118 days
4.	Likely cost	Rs 3 - 4 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	Kharif forage sorghum variety;267 cm tall, juicy stem, 90-95% green leaves with white midrib, semi-loose, oval panicle, tolerant to shootfly and stemborer, moderately tolerant to leafy disease
6.	Social /environmental/ other benefits	This variety is for kahrif forage growing regions to help the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Application to be made to PPV&FRA
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Officer In-charge, All India Coordinated Sorghum Improvement Project (AICSIP), Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri or Director, Directorate of Sorghum Research, Rajendranagar, Hyderabad – 500 030; Phone : 040-24018651, 040-20020027 FAX:040-24016378; dsrhyd-ap@nic.in; www.sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Rajendranagar, Hyderabad

Sl. No.	Item	Details
1.	Name of Hybrid /Variety	CSH 24MF
2.	Characteristics	Recommended for cultivation during kharif in, Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Rajasthan, Maharashtra, and Tamil Nadu,
3.	Performance results	Green fodder Yield: 788 q/ha Dry Fodder yield: 198 q/ha
4.	Likely cost	Rs 5 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	UTMCH 1302; Multi-cut forage hybrid -Tan, light green foliage with green midrib, Resistant to foliar diseases, medium thick juicy stem with basal tillers. Narrow cylindrical semi compact panicle borne on straight peduncle.
6.	Social /environmental/ other benefits	This forage hybrid will helps in providing fodder security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration. Acknowledgement Number: REG/2009/258 dt 9th Sep 2009
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Commercialized to the following firms 1. Doctor Seeds Pvt Ltd, Ludhiana 2. Malleshwara Agro Agencies, Yerragudi Village, Bellary Taluk & District 3. Godavari Hybrid Seed Company,Ankapoor , Armoor Mandal, Nizamabad District, Andhra Pradesh 4. Agri Nova Seed, Jeedimetla, Hyderabad, Andhra Pradesh 5. Kirtiman Agro Gentics Ltd. Aurangabad.
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Officer In-charge, All-India Coordinated Sorghum Improvement Project (AICSIP), GB Pant University of Agriculture & Technology (GBPUAT), Pantnagar, Uttarakhand orDirector, Directorate of Sorghum Research, Rajendranagar, Hyderabad – 500 030;
12.	Source of availability/firm	Directorate of Sorghum Research, Rajendranagar, Hyderabad

Sl. No.	Item	Details
1.	Name of Hybrid /Variety	CSH 25 (SPH 1567)
2.	Characteristics	Recommended for cultivation in rainfed Kharif sorghum growing areas under normal time of sowing
3.	Performance results	Grain Yield: 25 q/ha Fodder yield: 128 q/ha Maturity: 110 days
4.	Likely cost	Rs 5 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	Tall, Tan, white midrib, semi-compact earhead, pearly white seed, medium almond shape seed, tolerant to grain mold and shootfly.
6.	Social /environmental/ other benefits	This hybrid helps the farmers to realize better income and livelihood security
7.	Status of commercialization/ IP rights etc.	Applied to PPV& FRA for registration.
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Officer In-charge, All India Coordinated Sorghum Improvement Project (AICSIP), Marathwada Agricultural University (MAU), Parbhani, Maharashtra or Director, Directorate of Sorghum Research, Rajendranagar, Hyderabad – 500 030; Phone : 040-24018651, 040-20020027; FAX:040-24016378; dsrhyd-ap@nic.in; www.sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Rajendranagar, Hyderabad

Sl. No.	Item	Details
1.	Name of the Hybrid	CSH 27
2.	Characteristics	Identified for release as a dual purpose sorghum cultivar for cultivation in Zone I of India
3.	Performance results	Grain yield 3922kg/ha, Fodder Yield 13600 kg /ha
4.	Likely cost	Rs 5 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	The farmer acceptability is high due to dual purpose in nature and grain mold resistant
6.	Social /environmental/ other benefits	This hybrid will help in providing better yield for both grain and fodder intern higher benefits to the farmers
7.	Status of commercialization/ IP rights etc.	To be applied for registration with PPV& FRA.
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Dr. S. Audilakshmi, Principal Scientist (Retd.), Plant Breeding, Directorate of Sorghum Research, Rajendranagar, Hyderabad 500030, Andhra Pradesh, Office: 091-40-24018651; Fax: 091-40-24016378; E-mail: audilakshmi@sorghum.res.in
12.	Source of availability/firm	Directorate of Sorghum Research, Hyderabad

Sl. No.	Item	Details
1.	Name of the Hybrid	CSH 30 (SPH 1655)
2.	Characteristics	Identified for release as a dual purpose sorghum cultivar for cultivation in Zone I of India
3.	Performance results	Grain yield 2.5 t/ha, Fodder Yield 7.5 t /ha
4.	Likely cost	Rs 5 lakhs (licensing fee) but may vary from case to case
5.	Additional Information	Major pest and disease resistance
6.	Social /environmental/ other benefits	This hybrid will help in providing better yield for both grain and fodder intern higher benefits to the farmers
7.	Status of commercialization/ IP rights etc.	To be applied for registration with PPV& FRA.
8.	If commercialized, name and addresses of the firms/entrepreneurs to whom the technology has been transferred	Not yet commercialized
9.	Special regulatory requirements (for example, confirming to the norms of NBA or others	Permission of NBA is required if licensed to companies abroad
10.	Indicative photographs with proper lighting	
11.	Contact details of person to whom technology and further details can be obtained (information on postal address, email, telephone, fax etc.)	Dr. S. Audilakshmi, Principal Scientist (Retd.), Plant Breeding, Indian Institute of Millets Research, Rajendranagar, Hyderabad 500030 Office: 091-40-24018651; Fax: 091-40-24016378; E-mail: audilakshmi@sorghum.res.in
12.	Source of availability/firm	Indian Institute of Millets Research