



WISSE

www.wissse.com

ynrseeds

PD trials review DS 22-23 & SS-23

**22nd and 23rd June
Jharkhand**

Sandeep Kumar Patel

HQ-Ranchi

Contact -79054135465

Email- sandeepatel.vspl@gmail.com



www.ysrseeds.com

ynrseeds

DS 22-23 Bitter gourd CT(25-32) Medium

Location : Ranchi(JH) BJP					Location : Ranchi(JH) TGT					
1 st set (12 th picking) DOT-21/12/22					2 nd set (10 th picking) DOT-29/1/23					
Entry	Total fruits	Total Wt.	FP	Virus	Total fruits	Total Wt.	FP	Virus	Remark- green color primary and yellow secondary selection	
CT#25	1090	100945	39	0	783	50855	47	0	High FM and Medium DM, early disease tolerance.	
CT#26	1484	147343	37	0	796	52350	43	0	High uniformity, Medium high disease tolerance, good fruit quality and yield.	
CT#27	1942	161000	33	0	862	52584	42	0	Fruit bending and shade, other wise good Disease tolerance, and yield, fruit length 14-17cm.	
CT#28	1884	146500	34	0	781	48535	41	0	Medium fruit quality (fruit bending and medium uniformity), but high disease tolerance.	
CT#29	1002	92340	27	0	592	42270	38	0	Good uniformity but Early yielder, early high disease (DM & FM), low yield.	
CT#30	1594	154055	36	0	575	47185	40	0	Medium Disease tolerance, but loose fruits, due to very high virus vigor shade effect and fruit.	
CT#31	1340	127710	32	0	408	49935	38	0	Good fruit quality, High uniformity, MH disease tolerant.	
CT#32	1575	134260	34	0	544	45005	38	0	Good fruit quality, High uniformity, MH disease tolerant (fruit length 16-18cm)	



WISSE

www.wissens.com

ynrseeds

DS 22-23 Bitter gourd CT(25-32) Medium

<i>Location : Ranchi(JB) Harhi Gradually patches</i>						<i>Location : Bokaro(JB) PTV</i>					<i>Location : Gola(JB) Patrauli</i>				
<i>3rd lot (8th picking) DOS-23/12/21, DOT-25/1/23</i>						<i>4th lot (7th picking) DOS-27/12/21, DOT-28/1/23</i>					<i>5th lot (9th picking) DOS-29/12/21, DOT-25/1/23</i>				
<i>Entry</i>	<i>Total fruits</i>	<i>Total Wt.</i>	<i>PP</i>	<i>PM</i>	<i>DM</i>	<i>Total fruits</i>	<i>Total Wt.</i>	<i>PP</i>	<i>PM</i>	<i>DM</i>	<i>Entry</i>	<i>Total fruits</i>	<i>Total Wt.</i>	<i>PP</i>	<i>PM</i>
CT=25	1111	50940	58	LM	L	296	18000	40	LM	LM	CT=25	815	32725	48	M
CT=26	918	64380	58	L	L	443	27135	46	LM	L	CT=26	764	33370	48	LM
CT=27	1620	76960	58	L	L	502	27355	40	VL	VL	CT=27	920	32455	48	L
CT=28	1889	86590	58	L	L	477	27295	40	VL	VL	CT=28	677	43300	42	VL
CT=29	1849	69570	62	M	LM	312	19945	40	M	LM	CT=29	623	47470	42	LM
CT=30	1305	62420	63	LM	L	353	21090	40	VL	VL	CT=30	620	45875	42	VL
CT=31	808	49200	62	LM	L	394	25335	40	LM	L	CT=31	790	48150	42	LM
CT=32	940	40670	62	LM	L	389	21485	40	M	LM	CT=32	666	48370	42	LM



Yrseeds

www.yrseeds.com

yrseeds

DS 22-23 Bitter gourd CT(25-32) Medium

*Location : Gola(JH)Purabdh
Water stress*

Location : Gola(JH) Sangrampur

*6th Set (5th picking)
DOS- 10/1/23*

*7th Set (7th picking)
DOS-3/2/23*

Entry	Total fruits	Total Wt.	FP	FM	DM	Total fruits	Total Wt.	FP	Virus	FM	DM
CT-25	218	10505	43	MH	LM	296	13715 (Peach)	40	1 M	L	M
CT-26	292	15860	40	M	L	338	23035	40	0	LM	C
CT-27	430	18135	42	LM	L	375	19530 (Peach)	37	0	L	L
CT-28	391	18750	40	L	L	282	18885	37	0	L	L
CT-29	310	17155	40	M	LM	224	17105	40	0	L	M
CT-30	344	17285	40	L	L	141	9370	18	0	VL	VL
CT-31	330	26545	30	M	L	339	22845	40	2 M	LM	L
CT-32	252	10075	35	M	L	297	22955	40	3 M	L	L



YNRSEEDS

www.ynrseeds.com

ynrseeds

DS 22-23 BITTER GOURD CT(25-32)MEDIUM PETARWAR





WIBSE

www.wibse.com

ynrseeds

DS 22-23 Bitter gourd CT(21-23) Medium

Location : Ranchi(JB)BJP						Location : Ranchi(JB)J2					
1 st set (12 th picking) DOS-21/11/22, DOT- 21/12/22						1 st set (12 th picking) DOS-21/11/22, DOT- 21/12/22					
Entry	Total fruits	Total Wt.	FP	FM	DM	Total fruits	Total Wt.	FP	FM	DM	Remark- green color primary and yellow secondary selection
CT#21	1463	110260	34	MH	M	3683	134380	28	M	LM	Very high vine vigor, Sharp spines, DG green fruits, Medium high uniformity, Medium high FM, Medium DM, Low fruit bending and depression.
CT#22	1452	115410	28	M	LM	1841	150600	22	MH	LM	High vine vigor, green fruit, bending and medium depression, medium uniformity but high yield.
CT#23	1315	127825	28	M	LM	1501	123065	24	LM	LM	High vine vigor, DG fruit color, High uniformity, medium uniformity till last picking
Location : Bokaro(JB)						Location : Gola(JB)					
3 rd Set (5 th picking) DOS-27/11/22, DOT- 20/1/23						4 th set (5 th picking) DOS-21/11/22, DOT- 18/12/22					
CT#21	316	15720	40	L	L	621	39475	42	LM	L	Very high vine vigor, DG fruits color, sharp spines, low bending and depression, Low medium FM and low DM pressure, Medium high yield.
CT#22	404	20545	40	LM	L	839	32003	48	LM	L	High vine vigor, Medium fruit bending and depression, Low Medium FM and Low DM pressure and high yield.
CT#23	278	21215	40	L	L	400	27181	40	M	L	High vine vigor, High fruit uniformity, Low FM and DM pressure, high yield.



www.ynrseeds.com

ynrseeds

DS 22-23 BITTER GOURD CT(21-23) PETARWAR



CT21



CT22



CT23



WIBR

www.wibrindia.com

ynrseeds

DS 22-23 Bitter gourd CT(33-40) small

Location : Ranchi(JH)BIP						Location : Ranchi(JH)TGT						Remark-green color primary and yellow secondary selection
1 st set (12 th picking) DOS-18/11/22, DOT-5/1/23						2 nd set (7 th picking) DOS-23/12/22, DOT-29/1/23						
Entry	Total fruits	Total Wt.	FP	FM	DM	Total fruits	Total Wt.	FP	FM	DM		
CT#32	824	24828	39	28	L	547	20729 (7440)	37	L	L	all green fruits, good. Medium early. Low disease pressure, good rejuvination, high yield. (green color primary)	
CT#34	629	263240	64	31	LM	781	33129 (7440)	38	LM	L	Early bulker, Good fruit quality, Low medium to medium disease pressure, low to medium rejuvination, High yield.	
CT#35	643	27773	37	LM	LM	344	36139	37	L	L	Early, Good fruit quality but thick skins, Low medium disease pressure, Medium rejuvination, consistent high yield.	
CT#36	497	20318	37	LM	LM	311	24431 (7440)	36	LM	L	Medium early, good fruit quality, lit skin, medium disease, medium high rejuvination and yield.	
CT#37	429	231660	33	LM	LM	333	28239	33	LM	L	Medium early, Extra dark green fruits, but whitish top, Low to medium disease, high rejuvination, high yield.	
CT#38	938	247711	63	31	M	1185	48621	48	M	L	Early, Average fruits quality (round to length fruit shape), Low to medium rejuvination, Medium to high disease pressure	
CT#39	394	206802	41	LM	LM	707	37639	37	M	L	Medium early, good fruit quality, Medium rejuvination, low to medium disease pressure, Medium high yield.	
CT#40	413	289915	63	31	M	873	389821	38	M	M	Medium early, Medium to high disease pressure, Medium fruit quality, Medium yield, but high rejuvination.	



YNRISEEDS

www.ynrseeds.com

ynrseeds

DS 22-23 Bitter gourd CT(33-35) small

<i>Location : Gola(JB)Sangrampur</i>							<i>Location : Gola(JH)Purahlh</i>					<i>Location : Gola(JH) Sangrampur</i>		
<i>3rd set (7th picking) DOS-3/2/23</i>							<i>4th set (5th picking) DOS-10/1/23</i>					<i>5th set (1st picking) DOS-16/12/22, DOT-25/1/23</i>		
<i>Entry</i>	<i>Total fruits</i>	<i>Total Wt.</i>	<i>PP</i>	<i>PM</i>	<i>DM</i>	<i>Virus</i>	<i>Total fruits</i>	<i>Total Wt.</i>	<i>PP</i>	<i>PM</i>	<i>DM</i>	<i>Total fruits</i>	<i>Total Wt.</i>	<i>PP</i>
CT33	345	12405	38	LM	LM	1 LM	351	12885	40	L	L	369	8025	40
CT34	382	18765	49	LM	L	1	357	19730	40	LM	L	381	1705	40
CT35	404	17260	40	L	L	1	417	15225	40	L	L	360	5250	41
CT36	331	10880	30	LM	L	1	395	17530	40	LM	L	353	7300	41
CT37	388	21870	40	L	L	2 LM	390	21885	41	L	L	387	8080	41
CT38	443	16800	37	M	LM	5 M	435	16620	40	M	LM	384	5785	41
CT39	717	32880	40	LM	L	1	705	34880	41	LM	L	701	7780	40
CT40	342	16410	37	ME	M	1	433	20785	40	LM	L	358	3400	41

Product Development



www.ynrseeds.com

ynrseeds

DS 22-23 Bitter gourd CT(33-40)small Bajpur





www.yrseeds.com

yrseeds

DS 22-23 Bitter Gourd Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	CT(25-32)	CT#26,27,31,32	CT#26 and 31 OFD CT#27 and 31 retest in CT	Test against Pragati
Jharkhand	CT(21-23)	CT#23	Launch as a new Product	Launch in medium segment substitute of Akash
Jharkhand	CT(33-40)	CT# 33, 39 and 35 for small bitter gourd CT#36 and 37 small to med segment	CT#33 and 39 OFD CT#36 and 37 OFD CT#35 retest	CT# 33 and 39 for small bitter gourd CT#36 and 37 Against Rushan

Product Development



WIRSE

www.wirseed.com

ynrseeds

DS 22-23 Chilli RST (1-10) small

Location : Ranchi (JH) On going				Location : Gola (JH) Low management			
1 st Set (4 th harvest) DOS- 18/11/22, DOT- 1/1/23				2 nd Set (4 th harvest) DOS-19/11/22, DOT- 6/2/23			
Entry	Total Wt	PP	Virus Tospo	Total Wt	PP	Virus Tospo	Remark- green color primary and yellow secondary selection
TE#1	10010	53	33	4120	58	+	Light green to green fruits, high size reduction, medium toughness high pungency
TE#2	2743	52	12,24	8900	43	00	Low toughness, medium pungency, Low yield, high yield and size reduction.
TE#3	1440	52	12,24	8100	46	+	Dark green fruits, Medium size reduction, Medium Tospo presence, Mild high toughness and high pungency and medium yield but fruit quality prefer in market.
TE#4	4458	53	12,24	4220	42	+	Low to medium toughness and medium pungency, Thick and green fruits not prefer in market.
TE#5	4334	49	12	3820	25	+	High toughness and pungency, Low Tospo presence, fruit quality good but Winkles and lot bending fruits and low yield.
TE#6	1815	54	20	2820	42	+	Low to medium toughness and medium pungency, Thick and green fruits not prefer in market.
TE#7	1040	53	12	1700	46	+	Medium high toughness and high pungency, good fruit quality, white colorless, good yield
TE#8	1124	50	0	1070	24	+	High toughness and high pungency, low maturity presence but thick fruit
TE#9	1422	51	12	2940	46	+	Low toughness but high pungency, long thin fruits, Low bugs, high yield but long fruits for early picking
TE#10	1880	49	0	1890	43		Product Development Low toughness and low pungency, Light green fruits.



YNRSEEDS

www.ynrseeds.com

ynrseeds

DS 22-23 Chilli RST (1-10) small

Location : Ranchi (JIT) Nagli
On going

3rd Sep (1st harvest)
DOS-10/12/22, DOT-14/2/23

Entry	Total WT	RF	Virus Tests
TE#1	2338	50	1504
TE#2	2790	56	1254
TE#3	1400	54	1482
TE#4	3100	58	1758
TE#5	1222	59	812
TE#6	2350	54	952
TE#7	1400	58	712
TE#8	2580	59	1312
TE#9	1810	58	952
TE#10	2780	58	1412

Product Development



YSR

www.ysru.ac.in

ynrseeds

DS 22-23 Chilli RST(1-10) Ranchi





WISSE

www.wisseminds.com

ynrseeds

DS 22-23 Chilli CT (1-8) small

Location : Ranchi (JH) On going				Location : Ranchi (JH) CHT On going			
1 st Set, (4th harvest) DOS-18/12/22, DOT-1/2/23				2 nd Set, (2 nd harvest) DOS-18/12/22, DOT-1/2/23			
Entry	Total Wt.	PP	Virus Tests	Total Wt.	PP	Virus Tests	Remark- green color primary and yellow secondary selection
CT#1	10779	53	12N,4B	8399	51	7B	Green to DG fruits, small and size reducing teen medium yield.
CT#2	12668	55	2B	8926	51	1B	High sucking pressure, fruit bending and wrinkle fruits.
CT#3	14573	51	7B	8248	52	6B	Good fruit quality prefer in market, Medium to high sucking pressure.
CT#4	13886	50	8B,6	10228	48	12,2B	Good fruits, High yield (low sucking pressure)
CT#5	18729	50	5N,8B	10475	47	1B	Light green, long fruits.
CT#6	14485	53	3B	8697	47	12B	Good fruit quality (bit bending), medium high yield.
CT#7	16245	48	1B	8185	57	1B	Bit thick and long early few picking later very good fruit quality, (very good fruiting during high temperature 35-40°C) among all virus and sucking tolerance. High yield.
CT#8	13285	50	3B	7388	35	10B	Low sucking pressure, good fruit quality, high yield DG fruit color bit Thick fruits.



VIRSE

www.virseed.com

ynrseeds

DS 22-23 Chilli CT (1-8) small

<i>Location : Ranchi (JH) TTK Water stress condition under low management</i>				<i>Location : Ranchi (JH) Nagdi Damaged due to bollworm on going</i>			<i>Location : Gola (JH) Korambe Low management</i>		
3 rd Set. (2nd harvest) DOS- 20/11/22, DOE- 10/1/23				4 th Set. (1 st harvest) DOS-10/12/22, DOE- 14/2/23			4 th Set. (4 th harvest) DOS-19/11/22, DOE- 02/23		
Entry	Total Wt.	PP	Virus Toxpo	Total Wt.	PP	Toxpo virus	Total Wt.	PP	Virus Toxpo
CT#1	4485	37	12H	1708	54	12H	3239	40	10L
CT#2	1040	41	8H	3100	56	10L	5945	46	10L
CT#3	1250	40	12H	1888	58	10L	4927	45	10L
CT#4	1100	45	8H	331	58	10L	4939	41	10L
CT#5	4530	43	7H	2400	64	10L	5740	43	10L
CT#6	1380	42	10H	1816	64	10L	2173	46	12H
CT#7	4120	45	62H	89	60	10L			
CT#8	5085	44	11H	1400	63	10L			

Product Development

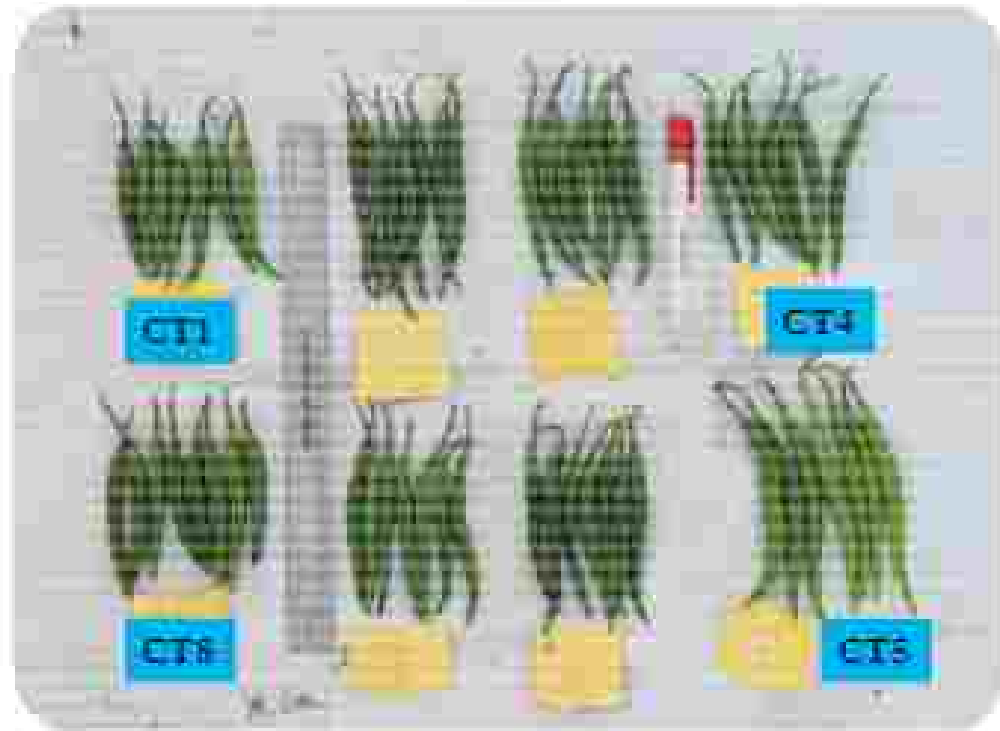


www.ynrseeds.com

www.ynrseeds.com

ynrseeds

DS 22-23 Chilli CT(1-8) Ranchi (Change quality after further picking)



2nd picking



4th picking

Product Development



WIRSE

www.wirseed.com

ynrseeds

DS 22-23 Chilli CT (1-6) upright

Location : Ranchi (JH) TGT
On going

Location :Kudu Lohardaga
(JH)

1st Set (4th harvest)
DOS- 18/12/22, DOT- 12/23

2nd Set (2nd harvest)
DOS- 26/12/22, DOT- 19/23

Entry	Total Wt.	PF	First Tosps	Total Wt.	PF	First Tosps	Remark- green color primary and yellow secondary selection
CT01	1280	54	4R	179	34	2R	Green market fruits, 0-5% pigmentation, low size reduction, straight fruits, medium high reduction in Tosps pressure and packing, high yield.
CT02	1280	54	3R	734	34	1R, 0L	Green fruit color, Medium packing, low Tosps pressure, size reduction but high yield.
CT03	18875	54	11R	8800	39	2R	High packing pressure and Tosps pressure, Medium high size reduction, wrinkle fruits, but good yield.
CT04	8740	52	4R	8830	34	0	50% pigmentation, high size reduction, late and low yield.
CT05	1400	55	25R	588	29	4R	High size reduction, Medium packing and Tosps pressure, wrinkle fruits but highest yield.
CT06	12040	53	6R	4490	34	3R	High size reduction, wrinkle fruits, Mix few plants with pendant-extra thick fruits.

Product Development



YNRSEEDS

www.ynrseeds.com

ynrseeds

DS 22-23 Chilli CT (1-6) upright

Location : Ranchi (JH) Harhi

Location : Gola (JH)

1st Set. (2nd harvest)
DOS- 30/12/22, DOT- 12/3/23

2nd Set. (2nd harvest)
DOS- 16/12/22, DOT- 19/2/23

Entry	Total Wt.	PP	Virus Togo	Total Wt.	PP	Virus Togo
CT1	77	55	18	26	39	100
CT2	111	51	100%	164	50	100
CT3	403	56	38	90	31	100
CT4	1870	51	18	1645	32	100
CT5	422	43	18	128	40	100
CT6	253	45	Product Development	9	9	100



YSR SEEDS

www.ysrseeds.com

ynrseeds

DS 22-23 Chilli CT(1-6) upright RNC



CT(1-6) upright
2nd picking



CT(1-6) upright
4th picking

Product Development



WIBR

www.wibr.in

ynrseeds

DS 22-23 Okra RST (91-102)



Location : Gola (JB) Kusgarha					Location : Ranchi (JH)				Remark- green color primary and yellow secondary selection
1 st Set, (17 th harvest) DOS- 17/3/23					2 nd Set, (20 th harvest) DOS-10/23				
Entry	Total Wt.	PF	Adjust yield	PM score	Total Wt.	PF	Adjust yield	PM score	
TE#01	33427	84	33733	1	7745	42	17113	3	Germination issue, good fruit quality, easy picking, thick fruit, spines and seeds absent.
TE#02	17057	76	18879	1	24023	129	13379	3	Good fruit quality but bit hard picking, spines and seed absent, thin fruit but bit heating.
TE#03	34528	71	38873	6	28215	141	14937	3	Bit hard picking, spines present, thick fruits and high yield.
TE#04	31605	65	34888	5	15558	142	13782	3	Hard picking and seeds and spines present.
TE#05	33900	69	33300	5	24380	97	15031	3	Very hard picking, spines present.
TE#06	21816	52	22712	7	16780	128	13109	3	Easy picking, bit seeds and spines and average yield.
TE#07	32719	80	31093	1	24780	88	14889	3	Easy picking, no spines, good fruit quality and high yield.
TE#08	38055	62	38214	7	22633	135	15787	3	Tall plant, Good fruit quality, bit spines, easy picking, thick fruits and high yield.
TE#09	32380	69	17942	5	12663	89	12093	3	Hard picking, Spines present and medium yield.
TE#100	38246	87	31039	1	14240	86	18559	3	Easy picking, thin fruit, but bit spines and seeds present and high yield.
TE#101	31245	44	36628	1	15530	89	16881	3	Easy picking, bit spines, high yield but thick fruits and high PM.
TE#102	31770	69	31633	1	28943	55	15553	3	Hard picking, high PM.

Product Development



www.ynrseeds.com

ynrseeds

DS 22-23 Okra RST (91-102) heap Pictures





www.ysrseeds.com

ysrseeds

DS 22-23 Okra Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	RST	TE#97,92,93,96,100,91	TE#97, 92 for CI	

Product Development



SS-23 Okra RST (1-18)

ynrseeds

Location : Gola (H) Koramde					Location : Ranchi (H)					
1 st Set (21 st harvest) DOS-26/1/23					2 nd Set (20 th harvest) DOS-1/2/23					
Entry	Total Wt.	PP	Adjust yield	FBI score	Total Wt.	PP	Adjust yield	FBI score	Remark- green color primary and yellow secondary selection	
TE41	13089	87	15854	3	5500	66	12152	3	Germination issue hard picking.	
TE42	23771	93	34076	3	12913	122	14488	3	Good fruit quality, easy picking, seeds and spines absent to weak for post yield	
TE43	24589	113	11309	3	18746	162	12183	3	Fruit uniformity medium, Mid hard, seeds and spines present.	
TE44	20660	122	15818	3	15117	128	11888	3	Good fruit quality, easy picking, spine and hit seeds present, but medium yield.	
TE45	30715	123	24381	3	17286	168	15926	3	Fruit uniformity medium, seeds and spines present.	
TE46	14490	61	22257	3	28207	127	17322	3	Medium Tall plant, Very easy picking, hit seeds present, good fruit quality and yield.	
TE47	20660	117	25258	3	21539	138	16562	3	Hard picking, seeds and spines present.	
TE48	22733	98	23248	3	19737	134	17311	3	Tall plant, Hard picking, spines present.	
TE49	26973	129	22479	3	18915	142	16896	3	Product Development Hard picking and sharp spines.	



www.yrse.org

ynrseeds

SS-23 Okra RST (1-18)

Location - Gola (JH) Karambe					Location - Raich (JH)				
1 st Set, (21 st harvest) DOS-16123					2 nd Set, (26 th harvest) DOS-1723				
Entry	Total Wt.	PF	Adjust yield	PI score	Total Wt.	PF	Adjust yield	PI score	Remark: green color primary and yellow secondary selection
TE410	29600	134	21697	3	21400	158	15944	3	Very easy picking, spines and seeds present and medium yield.
TE411	27023	134	19697	3	17635	129	12926	3	Good fruit quality, easy picking, spines absent but seed present, but low yield.
TE412	24823	118	21118	3	21618	127	16387	3	Easy picking, Medium fruit uniformity, spines present, depression seen.
TE413	30439	135	25298	3	30099	122	17265	3	Tall plant, Very Sharp Spine other wise good fruit quality.
TE414	29483	138	21891	3	21779	142	15333	3	Easy picking but Base yellow, spines present.
TE415	22959	148	21568	3	22429	128	17516	3	Good length, easy picking but spines present, base discoloration, and thick fruits.
TE416	27645	124	20294	3	26410	154	19279	3	Easy picking but spines present and slightly thick.
TE417	29823	118	19513	3	19113	102	15668	3	Hard picking, Seeds and spines present, Fruit depression.
TE418	26935	139	20719	3	29473	137	14215	3	Thick fruits, easy picking, seeds and spine present.



www.ynrseeds.com

ynrseeds

SS-23 Okra RST (1-18) RNC





YRSE

यशवंतराव चव्हाण कृषि विज्ञान संस्था

ynrseeds

SS-23 Okra CT (1-10)

Location : Gola (JH)STBT					Location : Gola (JH) KG					
1 st Set. (3 rd harvest) DOS-28/1/23					2 nd Set. (1 st harvest) DOS-17/3/23					
Entry	Total Wt	PF	Adjust yield	FM score	Total Wt.	PF	Adjust yield	FM score	Remark- green color primary and yellow secondary selection	
CT4	29776	92	22159	1	18300	68	26522	1	Thick fruits, lid hard, germination issue.	
CT5	28300	124	22871	1	18000	80	24240	1	Without hard picking, green but some green color fruits.	
CT6	27000	108	22360	1	16900	80	22720	1	Medium Hard picking, seeds almost and FM score but high yield.	
CT7	28108	131	19927	1	17683	78	23389	1	Good fruit quality but hard picking, fruit hair present and Medium high yield.	
CT8	24340	112	20356	1	18900	78	24308	1	Hard picking, yellow spots on fruits, medium inform fruit.	
CT9	24515	102	20801	1	21240	82	20902	1	Hard picking, yellow spots on fruits, whitish base.	
CT10	25115	111	21871	1	19540	85	23106	1	Tall plant Easy picking, Splice present but high yield.	
CT11	26620	114	20351	3	16900	72	23514	1	Very hard picking, splice present.	
CT12	27780	95	20908	1	16440	82	22876	1	Germination issue, Slightly thick, yellow spots (deformity), easy picking, high yield.	
CT13	16810	75	22753	1	19430	68	23138	1	Germination issue, Hard picking.	
CT14	22320	102	22100	1	12850	81	21074	2	Easy picking, Splice present but high yield.	



Yrseeds

www.yrseeds.com

yrseeds

SS-23 Okra CT (1-10)

Location : Ranchi (JH)TGT

Location : Ranchi (JH)Nagdi
Not good flowering fruiting.

3rd Set. (3rd harvest)
DOS- 1/2/23

4th Set. (4th harvest)
DOS- 1/3/23

Entry	Total Wt.	FP	Adjust yield	FM score	Total Wt.	FP	Adjust yield
CT41	3559	13	10961	+	4784	161	1027
CT42	3188	13	10033	+	3017	157	1021
CT43	4145	13	11137	+	4284	171	1080
CT44	3680	13	12400	+	3941	134	1100
CT45	3345	13	12153	+	3006	146	1050
CO46	3473	13	16540	+	3843	100	1010
CT47	3030	13	12030	+	3607	170	1110
CT48	3790	13	9852	+	3383	153	1441
CO49	Germination issue				3981	158	1001
CT50	Germination issue				3997	111	1140

Product Development



YNRSEEDS

www.ynrseeds.com

ynrseeds

SS-23 Okra CT(1-10) Gola



Product Development



www.ysrseeds.com

ynrseeds

SS-23 Okra Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	Okra RST (1-18)	Primary selection-TE#2 and 6 Secondary selection- TE#11,15	Selected entries promoted to CT	
Jharkhand	Okra CT (1-10)	Primary selection-CT#2 and 3 Primary selection-CT#7	CT#2 and 3 for OFD	Rohini, Shivansh, Singham, Bindu ect

Product Development



WIBR

Watermelon Breeding Research

ynrseeds

SS-23 Cucumber RST (1-20)

Location : Ranchi (JB) Saker Hailstorm damaged					Location : Gola (JB) Under low management plot					
1 st Set (10 th harvest) DOS-18/23					2 nd Set (3 rd harvest) DOS-19/23					
Entry	TNF	Total Wt.	PP	DM score	TNF	Total Wt.	PP	DM score	Remark- green color primary and yellow secondary selection	
TE#1	214	35150	31	LM	105	27185	21	M	Medium vine, medium uniformity, neck bending, medium uniformity, medium yield.	
TE#2	181	35290	33	LM	134	24535	34	M	Medium high vine vigor, whitish green fruits, medium high uniformity but low yield.	
TE#3	265	50390	37	LM	136	17875	24	MH	Medium uniformity, neck bending but high yield.	
TE#4	259	37000	27	MH	186	39095	34	LM	Medium uniformity, neck formation and medium yield.	
TE#5	292	42160	35	H	141	24560	27	LM	Good fruit quality, but later picking neck seen, medium high yield.	
TE#6	282	39920	33	LM	109	17520	26	MH	Good uniformity and fruit quality but later neck formation.	
TE#7	322	37250	22	H	174	20395	21	MH	small and deform fruits.	
TE#8	375	45910	30	MH	133	16310	20	MH	Medium uniformity, neck issues.	
TE#9	304	40830	31	MH	97	16735	20	H	Medium high uniformity but fruit bending and high neck issues.	
TE#10	205	37810	33	MH	127	17650	21	MH	Medium uniformity, deformity, neck issue.	

Product Development



WIBR

Watermelon Breeding Research Center

ynrseeds

SS-23 Cucumber RST (1-20)

Location : Ranchi (JB) Salter Hailstorm damaged					Location : Gola (JB) Under low management plot				
1 st Set. (10 th harvest) DOS-18/2/23					2 nd Set. (8 th harvest) DOS-19/2/23				
Entry	TNS	Total Wt	PP	DM score	TNS	Total Wt	PP	DM score	Remark- green color primary and yellow secondary selection
TEP11	277	40320	23	MH	144	18580	21	M	Medium uniformity, deformity seen fruit uneven size.
TEP12	440	58550	27	EM	170	24370	24	EM	Good fruit quality, less neck bending and high uniformity at later picking and high yield.
TEP13	382	46670	27	MH	146	18460	24	M	Short thick deform fruits.
TEP14	355	51420	30	H	118	18025	22	MH	Good uniformity and yield but later neck seen and high DM possible.
TEP15	335	42390	24	M	111	15950	24	MH	Medium high uniformity, Short and thick fruits.
TEP16	257	41010	30	MH	74	17375	21	MH	Good fruit quality but fruit bending and neck formation
TEP17	148	15690	29	VL	54	8410	22	M	Late hybrid, zucchini type fruits, medium high uniformity, good longevity, and DM tolerance.
TEP18	341	41280	28	H	116	14745	23	M	Neck formation and bending issues.
TEP19	411	50810	30	MH	92	11680	23	M	High uniformity and good yield but later picking fruit deform.
TEP20	394	55550	27	MH	103	14620	22	MH	Average fruit uniformity, high yield.



YNRSEEDS

www.ynrseeds.com

ynrseeds

SS-23, Cucumber RST (1-18) RNC Picture 1-10

TE1

TE5

TE10

TE6





www.ynrseeds.com

ynrseeds

SS-23, Cucumber RST (1-18) RNC Picture 11-20



TE11

TE15

TE20

TE16



WIBUR

www.wibur.com

ynrseeds

SS-23 Cucumber CT (1-10)

Location : Ranchi (JH) Sahar					Location : Gola (JH) Damaged due to herbicides					
1 st Set. (10 th harvest) DOS-18/2/23					2 nd Set. (8 th harvest) DOS-3/4/23					
Entry	TNF	Total Wt.	FF	DM score	TNF	Total Wt.	FF	DM score	Remark-green color primary and yellow secondary selection	
CT#1	231	28350	24	M	34	4122	23		Whitish dew type fruits, neck bending, medium DM and low yield.	
CT#2	262	28710	25	MH	122	15090	34		MH DM, fruit deformity.	
CT#3	254	34380	23	MH	73	11472	25		High Neck bending, Medium high DM.	
CT#4	261	38260	27	MH	108	12240	24		Neck bending, Medium high DM pressure.	
CT#5	225	32680	48	MH	127	13557	22		Good fruit quality, Low neck formation but Medium high DM and yield.	
CT#6	282	49920	27	MH	43	4788	27		Neck bending, Medium high DM pressure, build thick fruits, delay picking unmarketable fruits.	
CT#7	295	36480	30	MH	29*	23172	28		Short fruits, poor uniformity	
CT#8	252	28120	30	M	56	7742	29		Good fruit quality, Medium DM pressure, high uniformity and good yield	
CT#9	169	25893	21	M	39	24096	27		High uniformity but late, Neck bending, low yield.	
CT#10	161	23360	27*	L	4	785	21		late, rucchini type fruits, Neck formation, low yield.	

Product Development

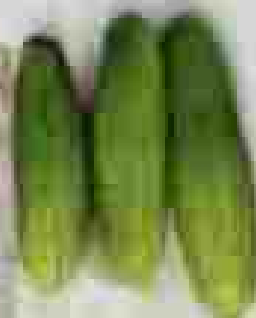
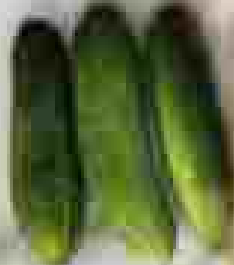


YNRSEEDS

www.ynrseeds.com

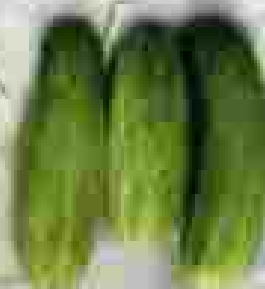
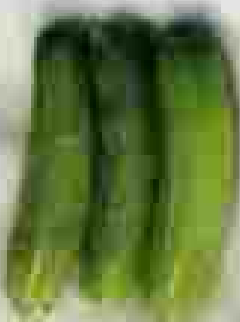
ynrseeds

CT 1



CT 5

CT 10



CT 6



www.ynrseeds.com

ynrseeds

SS-23 Cucumber Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	Cucumber RST (1-20)	TE#12,6,16,19,20	TE#12 OFD Rest CT	Against Malini, Chitra
Jharkhand	Cucumber CT(1-10)	CT#8,5and 9	CT#8 OFD Rest retest	Against Malini, Chitra

Product Development :



www.wibr.com

ynrseeds

SS-23 Sponge gourd CT(1-8)

Location :Golu(JH) SBT On going					Location : Gola (JH) Prb On going				
1 st Set. (22 nd harvest) DOS-4/4/23					2 nd Set. (12 th harvest) DOS-25/3/23				
Entry	TNE	Total Wt.	PP	DM score	TNE	Total Wt.	PP	CMV	Remark- green color primary and yellow secondary selection
CT#1	0	0	0	NA	0	0	0	0	Germination issue
CT#2	385	52465	36	LM	319	17500	41	ILM	Medium high vine vigor, Medium high uniformity and yield.
CT#3	542	74235	30	L	333	20100	31	4E	High vine, Medium high uniformity and high yield.
CT#4	411	62230	27	LM	109	15955 (PATCH)	48	4VL	Medium high vine, high uniformity, short fruit (20-21cm), good yield.
CT#5	381	51580	27	LM	157	21315	50	10M	Medium vine vigor, early good yield but later yield reducing, medium high uniformity, deformity seen, medium high yield.
CT#6	383	47410	27	LM	168	21190	48	12MH	Medium high vine, medium uniformity, and average yield.
CT#7	282	38140	18 (WILT)	L	153	23055	51	4VL	Medium vine, high uniformity but yield.
CT#8	228	33300	12 (WILT W/COOP TRAIL)	M	157	21015	50	4E	High vine, good fruit quality but high disease pressure and low yield.



WIRSE

www.wirseed.com

ynrseeds

SS-23 Sponge gourd CT(1-8)



Location : Ranchi (JH) Nawatoli					Location : Ranchi (JH) Field data not consider			
3 rd Set, (3 rd harvest) DOS- 1/3/23					4 th Set, (4 th harvest) DOS-25/3/23			
Entry	TNF	Total Wt.	PF	DM score	TNF	Total Wt.	PF	PM
CT#1	0	0	Germination issue					
CT#2	99	13030	18	M	42	4630	26	MH
CT#3	114	14335	18	MH	45	5760	28	MH
CT#4	115	14555	18	M	54	4147	32	MH
CT#5	133	14915	18	MH	108	19355	31	MH
CT#6	133	18910	18	M	121	14195	28	H
CT#7	117	14103	18	M	80	9635	31	MH
CT#8	97	14195	18	MH	19	2135	30	MH

Product Development

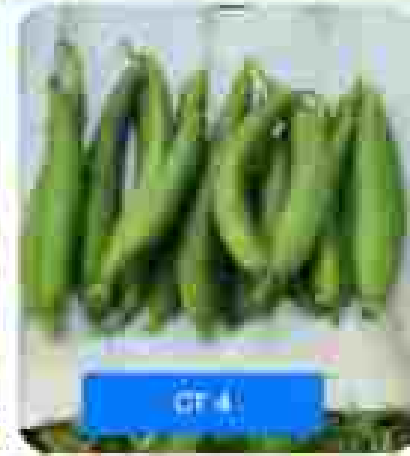


YNRSEEDS

www.ynrseeds.com

ynrseeds

SS-23 Sponge gourd CT(1-8)





www.yrseeds.com

yrseeds

SS-23 Sponge gourd OFD 221491

S.No	Farmer Name	Address: Dist., State	Entry	PP	Total yield	Remarks
1	Sandeep Mahto (On going trial)	Petarwar Bokaro	221491	60	103425	Medium to medium high vine vigor, early bearing, High fruit bearing, Dark green fruits, Medium high uniformity, Medium CMV pressure, Bit bulging, Medium DM pressure, Medium ripening and high yield.
		12 th picking	ES2113 Aditya Kalyan	58	105860	High vine vigor, good bearing, green to dark green fruits, Low DM pressure and low CMV pressure, high ripening and high yield.
2	Laldhari Mahto (On going trial)	Purabdin Gola	221491	50	23635	Medium high vine, High DMV and medium DM pressure, Bit fruit bulging, Dark green fruit, medium ripening, High yield.
		12 th picking	Ala (Kaveri)	58	21005	High vine vigor, Low medium CMV pressure, High uniformity.
3	Shivastav Mahto (On going trial)	Kushthegarha Gola	221491	39	121170	Medium high vine vigor, Low medium DM and CMV pressure, Medium high uniformity, Bit fruit bearing.
		15 th picking	Ala (Kaveri)	40	110258	High vine, Low DM and CMV pressure, Medium high yield.



YNRSEEDS

www.ynrseeds.com

ynrseeds

SS-23 Sponge gourd OFD with check picture





www.ynrseeds.com

ynrseeds

SS-23 Sponge gourd Conclusion

Location	Trail	Selected entry	Promoted to	Remarks
Jharkhand	Sponge gourd (CT#1-8)	Primary- CT#3 Secondary- CT#4 and 2		Not concluded yet
Jharkhand	Sponge gourd OFD(221491)			Not concluded yet

Product Development



www.wibr.in

ynrseeds

SS-23 Bottle gourd CT(1-8) cylindrical

Location : Ranchi(JH) STRESS					Location : Gola(JH) On going						
1 st set (8 th picking) DOS-34224					2 nd set (7 th picking) DOS-3423						
Entry	Total fruits	Total Wt.	FP	GSI	Total fruits	Total Wt.	FP	CMV	Leaf spot	GSI	Remark- green color primary and yellow secondary selection
CT#1	44	52295	24		43	25030	14	L	L	LM	Medium high vise, Medium uniformity, bulging, oblong whitish fruits
CT#2	39	53345	25		51	24740	15	LM	H	M	Cylindrical whitish green fruit, Medium high uniformity, low deformity.
CT#3	63	61710	23		54	37700	15	NA	M	LM	Good fruit quality, high uniformity, cylindrical green fruits.
CT#4	39	58930	25		60	26970	15	NA	MIB	L	Cylindrical high uniformity whitish fruits bending high.
CT#5	66	38270	26	1	47	26390	15	LM	H	LM	Medium uniformity(shape and size), later picking deformity seen.
CT#6	45	42480	24		33	18265	15	L	VI	L	Medium high uniformity, oblong fruits, but late and low yield.
CT#7	62	59315	24	1	48	24680	15	L	M	LM	Low to medium vise, Medium shape and size uniformity, later deformity seen.
CT#8	37	36535	24		52	26960					Medium vise, whitish fruits, Size reducing, medium uniformity, later picking deformity seen.

Product Development



YNRSEEDS

www.ynrseeds.com

ynrseeds

SS-23 Bottle gourd CT(1-8) Gola





YSRU

www.ysru.ac.in

ynrseeds

SS-23 Bottle gourd Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Prakhand	Bottle gourd CT(1-8)	CT#3		Not concluded yet

Product Development :



Yrseeds

www.yrseeds.com

yrseeds

SS-23 Bitter gourd OFD

S.No	Farmer Name	Address: Dist.,State	Entry	PP	Total yield	Remarks
1	Sumil Mahto (On going trial)	Guru Ranchi	2029	28	2970 (8 th picking)	High vine vigor, All green fruit color, High fruit uniformity, Slower maturity early low picking but later increasing high yield, Low DM pressure, High yield Farmer like 2000 fruit quality and vine vigor
			K-88	30	29045 (8 th picking)	High vine vigor, Dark green fruits, Sharp spines, Medium fruit uniformity, Low DM pressure,
			US-835	30	28315 (8 th picking)	High vine vigor, Dark green fruit color, Sharp spines, Medium high uniformity,
2	Rameshwar Mahto	Bajpur Ranchi	2029	32	31500 (8 th picking)	High vine vigor, All green fruit color, High fruit uniformity, Slower maturity early low picking but later increasing high yield, Medium DM pressure, High yield Farmer like 2000 fruit quality and vine vigor
			US1315	35	29550 (8 th picking)	High vine vigor, Medium DM pressure, Medium high fruit uniformity, shade effect.
			K-88	35	26700 (8 th picking)	High vine vigor, Dark-green fruit, Sharp spines, Medium fruit uniformity, Low DM pressure, High yield.



www.yrseeds.com

yrseeds

SS-23 Bitter gourd OFD (on going)

S.No	Farmer Name	Address: Dist.,State	Entry	PP	Total yield	Remarks
1	Manoj Dangi	Kushnagarha-Gole	21020	10	42750 (6 th picking)	Medium high vine, Ash green shiny skin, high fruit uniformity, Low DM pressure, early and high yields that is early and healthy
			Bambala (Wormseed)	50	60150 (4 th picking)	Medium high vine, Early high yield, Medium uniformity, shade effect, Medium DM pressure
2	Sunder Kumar	Korambe-Gole	21023	10	44400 (3 th picking)	Medium high vine, Ash green shiny skin, high fruit uniformity, Low DM pressure, early and high yields that is early and healthy
			Bambala (Wormseed)	10	48900 (3 th picking)	Medium high vine, Early high yield, Medium uniformity, shade effect, Medium DM pressure



www.ynrseeds.com

ynrseeds

SS-23 Bitter gourd OFD picture with different check



Product Development :



www.ynrseeds.com

ynrseeds

SS-23 Bitter gourd OFD Picture with check



Product Development



YNRSEEDS

www.ynrseeds.com

ynrseeds

Thank You