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Review meeting WS-2023 Ranchi(JH)

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WS-23 Trial Tracker

Crop	RST		Data recovery	CT		Data recovery	OFD Allotted		Data recovery
	Allotted	Planted		Allotted	Planted		Allotted	Planted	
Bitter Gourd (Medium)	2	2	2						
Bitter Gourd (small)	2	2	2						
Chilli (small)	4	4	4	6	6	6			
Sponge gourd				4	4	4			
Bottle gourd				4	4	4	120343 (12)	10	3
Cowpea				2	2	2	CPV41(4) CPV2(4)	3 4	2 3
Cowpea (YLB)	4	4	4						
Brinjal							121070 (2) 120111 (2)	2 2	2 2



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WS-23 Bitter gourd RST(13-24) Medium

Location : Ranchi(JH)						Location : Gola(JH)					Remark: green color primary and yellow secondary selection
1 st set (9 th picking) DOT-17/23						2 nd set (7 th picking) 21/7/23					
Entry	EP	Total fruits	Total Wt.	Yield EP-seg/area	PM score	EP	Total fruits	Total Wt.	Yield EP-seg/area	PM score	
TE-11	28	271	48598	2 (L)	7	39	273	28568	1 (M)	-	Good fruit quality, soft spines sharp & smooth (soft 2plants), but low yield and High PM premium.
TE-14	38	837	68888	4 (L)	3	41	822	43253	4 (M)	-	High yield but light green color. Fruit depression.
TE-15	39	779	66795	3 (L)	2	42	731	38855	3 (M)	-	Good PM tolerance, but low to medium fruit uniformity, fruit bending.
TE-16	49	758	68822	3 (L)	2	58	829	46548	4 (M,2H)	-	Good PM tolerance, but fruit bending and depression.
TE-17	39	228	52241	1 (M)	7	64	272	34717	4 (M,2H)	-	Good fruit quality, medium high fruit uniformity, Medium high yield.
TE-18	39	636	42385	2 (L)	7	63	557	43881	4 (M,2H)	-	High uniformity and yield but Thick spine spines, DG to light green color, less fruits observe.
TE-19	39	612	58024	2	7	61	634	48123	2 (L,M)	-	Fruit light green color, spines sharp some soft with smooth, Medium uniformity, less attractive spines pattern.
TE-20	29	848	82479	8	7	41	768	42838	4 (M)	-	High yielder but Fruit light (initial) color, medium uniformity, if data in picking area thick fruits.
TE-21	28	548	57824	8	7	42	488	41718	8	-	Medium high uniformity and yield but DG, green and light color fruits.
TE-22	39	978	78148	8 (M)	7	64	834	55715	3 (M)	-	High yield but Fruit depression, uniformity, size reduction.
TE-23	38	711	58865	5 (M,2L)	2	67	731	38425	2 (L,M)	-	High Fruit depression, bending and deformity, shade affect due to high foliage.
TE-24	28	323	81121	2 (L)	2	41	222	33821	1 (M)	-	Spines reflector observe other also good fruit quality.



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WS-23 Bitter gourd RST(13-24) Medium Ranchi





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WS-23 Bitter gourd RST(1-12) small Ranchi

Location : Ranchi(JH)

1st set (1st picking) DOY-24 @23

Entry	PF	Total fruits	Total Wt.	Virus PF-severity %	PM score	Remark- green color primary and yellow secondary selection
TE#1	22	835	38209	3 (0.4)	3	Size reduction seen, Medium uniformity, Browsable species, shade effect.
TE#2	21	619	27679	4 (0.6)	3	Very high virus type, Good fruit quality, Good solar tolerance but some mild forms too and low yield.
TE#3	20	1184	53811	1 (0.1)	4	Medium to high yield, PM and Good fruit quality, medium high uniformity, PF, browsable species, medium to high yield.
TE#4	20	832	39745	3 (0.4)	3	Medium uniformity, bit shade and low yield.
TE#5	21	823	39930	2 (0.2)	3	Medium high uniformity (fruit length 13 cm), good species pattern high yield but high green color.
TE#6	20	878	48738	1 (0.1)	3	Medium uniformity (fruit length 14.5cm), virus type species seen (sharp-thick PF), fruit degeneration seen but high yield.
TE#7	20	1119	51190	0 (0.0)	3	Medium size and color uniformity, Browsable seen, high virus pressure, shade but high yield.
TE#8	20	865	43190	0	3	Medium, Good fruit quality, fruit length 14.5cm, high uniformity, shade and fruit and high yield.
TE#9	20	776	40538	0	3	Medium uniformity (fruit length 13.25cm), bit bulging and loose fruit.
TE#10	20	788	38209	0	3	Medium uniformity (fruit length 14.75cm), DG is light green color but high yield.
TE#11	21	1187	55738	4 (0.3)	4	Medium high uniformity, bit shade and browsable species, but high yield.
TE#12	20	1143	50415	0	3	Short to medium fruit length (fruit length 13.5cm), Size and yield reduction, Whitish bottom end, DG is light color, Species pattern shape (very narrow) and virus control.



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WS-23 Bitter gourd RST(1-12) small Pictures Ranchi





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WS-23 Bitter gourd RST(1-12) small (Gola)

Location : Gola(JH)

1st test (6th picking) DOT-24-6-23

Entry	FP	Total Fruits	Total Wt	Virus FP-severity	Latex score	FA score	Remark- green color primary and yellow secondary selection
TE-1	48	397	32742	3 (04)	1	4	Medium fruit uniformity, green to dark green fruit
TE-2	51	379	38779	5 (M,SL,LS)	3	5	Medium High uniformity, good fruit quality
TE-3	39	468	24530	7 (04)	1	4	Medium uniformity, thick spine
TE-4	38	378	31215	11 (BR,SL)	1	4	Medium uniformity, thick spine, average fruit quality
TE-5	51	374	28579	4 (SL,LS,FB)	1	4	High uniformity, sharp spine, not light color
TE-6	39	314	24985	4 (LS)	1	3	Medium uniformity, thick spine, average fruit quality
TE-7	43	408	23780	4 (FB)	3	3	High virus pressure, Low uniformity
TE-8	43	424	29422	3 (SL)	1	4	High uniformity, good fruit quality
TE-9	43	477	29779	11 (04E)	3	3	Medium fruit uniformity, thick spine
TE-10	39	478	23378	3 (7,SL,LS)	5	4	Medium uniformity, (more than leaf)
TE-11	51	477	24585	13 (FB)	1	4	Medium high uniformity, sharp spine, shade
TE-12	48	382	28230	3 (LS)	1	3	Medium high uniformity, whitish colour



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WS-23 Bitter gourd RST(1-12) small Pictures (Gola)





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WS-23 Cowpea RST(17-24) YLB

CABMV=cowpea aphid born mosaic virus

Location : Ranchi(JB)

Location : Ranchi(JB)

1st set (11th picking) DOI-15/7/23

2nd set (6th picking) DOI-21/7/23

Entry	FP	Tack No.	CABMVirus		Leaf spot score	Root	FP	Tack No.	CABMVirus		Leaf spot	Root	Remark: green color primary and yellow secondary selected
			Y.P	score					Y.P	score			
TE217	40	40222	0		2	L	24	26780			L	L	High vine vigor, good leaf spot tolerance and fruit length uniformity for seed appearance and delay picking loss from
TE218	40	41122	0	SN	0	L	24	26820			L,M	L	High vine vigor, 20days high length uniformity and high yield
TE219	40	42722	0	L,M	7	L,M	24	21820	10	1	M	L,M	Medium vine vigor, Early bullae, bluish green fruits, 20days length uniformity, medium leaf spot but high yield
TE220	41	29390	0		0	L	23	13520			L	L	High vine vigor, round fruits, 20days length and thickness uniformity
TE221 PATCH	38	33555	0		0	L	23	24820			L	L	High yield Pcm, 10days high vine vigor high length uniformity, good tolerance
TE222	40	37100	1	L,M	0	L	25	13590	0	0	L,M	L	High vine vigor, Thick roots, Medium length uniformity
TE223	44	47400	0		0	VL	26	13920			L	VL	High vine vigor, High fruit uniformity, good fruit quality
TE224	44	48700	0		0	VL	24	14970			L	VL	High vine vigor, Bit fruit swelling, Medium length uniformity but high yield



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WS-23 Cowpea RST(17-24) YLB

Location : Gola(JH)							Location : Gola(JH)							Remark- green color primary and yellow secondary selection
3 rd set (8 th picking) DOT-5/7/23 Selection only plant longevity							4 th set (10 th picking), DOS-12/8/23							
Entry	PP	Total No.	Golden harvest times		Leaf spot	Burr	PP	Total No.	Burr harvest times		Leaf spot	Burr		
			N.P	DOODH					P.P	DOODH				
TR417	19	1230	0	NA	3	+	37	1130	0	0	NA	NA	High uniformity but length bit short and seed appearance.	
TR418	20	218	0	NA	3	+	38	1197	1	1	NA	+	Good length and longevity and high yield.	
TR419	21	8120	0	0	3	OM	35	4705	0	4	NA	NA	High seed selection, vibrant fruits and low time ripen	
TR420	21	1660	1	0	3	+	36	11180	1	4	NA	+	Medium length uniformity, rough and bumpy fruits but good yield	
TR421	19	1470	0	NA	3	+	38	1130	1	4	+	+	Medium high time, straight burr and high yield.	
TR422	19	2000	1	NA	3	+	38	9940	1	4	NA	+	Medium size uniformity, rough fruits, Medium high yield	
TR423	20	6710	1	NA	3	+	37	6035	0	0	NA	NA	Medium fruits uniformity, medium yield.	
TR424	22	1875	1	NA	3	+	36	9545	1	1	+	+	High time ripen, good length bit thick and good yield.	



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WS-23 Cowpea RST(17-24) YLB Pictures





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WS-23 Cowpea CT(1-10)

Location : Gola(JH)

Location : Ranchi(JH)

CAMV=Cowpea aphid born mosaic virus

1st set (1st picking) DOT-16/23

1st set (1st picking) DOT-4/23

Entry	FF	Total Wt	CAMV Virus		Ear age	Plant	Cultivar	FF	Total Wt	Leaf age	Plant
			Y2	score							
CTH	40	17180	NA		1	NA	0	11	1380	NA	NA
CTK	11	17180	NA		1	NA	2	11	1380	NA	NA
CTH	40	17130	NA		1	NA	2	21	9720	NA	NA
CTH	40	15480	NA		1	NA	0	11	1512	NA	NA
CTK	40	15580	NA		1	NA	0	11	1100	NA	NA
CTK	40	14740	NA		1	NA	0	21	1770	NA	NA
CTH	33	13680	NA		1	NA	0	11	2370	NA	NA
CTK	40	13620	NA		1	NA	2	11	2910	NA	NA
CTK	40	12980	NA		1	NA	1	11	1420	NA	NA
CTK	40	11480	NA		1	NA	1	11	1780	NA	NA

Remarks: green color primary and yellow secondary selection

Selection on the basis of earliness, fruit quality, longevity and yield.

WS-23, Cowpea CT(1-10) pictures





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WS-23, Cowpea OFD CPV 41

S.No	Farmer Name	Address: Dist., State:	Entry	PP	Total yield	Remarks
1	Santosh Mahto	Tigratoli	CPV 41	65	6450	Semi spreading plant type, Medium high vine growth, medium early, good fruit quality, fruit length 35-40cm, quality wise same as check but yield and longevity comparatively low.
	DOS:4/7/23 (4 th picking)		KETAKI (ANKUR)	60	7530	High vine growth, earliness, good fruit quality same as OFD, fruit length 35-40cm, longevity and yield high comparatively high as OFD
2	Keshwar Mahto	Siyartoli Itki	CPV 41	52	17940	
	DOS:12/7/23 (7 th picking)		KETAKI (ANKUR)	54	19135	

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WS-23, COWPEA OFD CPV41 PICTURE





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WS-23, Cowpea OFD CPV 2

S.No	Farmer Name	Address: Dist., State	Entry	PP	Total yield	Remarks
1	Dummarial Mahto	Sangrampur Gola	CPV2	89	2630	High vine growth, high longevity but late and fruit quality not good for vegetable purpose. fruit length 28-33 cm. Not prefer in mandi, less pulp, one day late picking fruits loose.
	DOS: 1/7/23 (4 th picking)		HARI (ANUR)	51	3920	Medium high vine growth, medium longevity but good fruit quality earlier. fruit length 38-35 cm. high yield, good mandi preference.
12	Lakshu Mahto	Chadi Gola	CPV2	200	1890	
	DOS: 12/7/23 (2 nd picking)		HARI (ANUR)	196	6150	
31	Sajeet Kumar	Gutgudwa Gola	CPV2	165	15425	
	DOS: 17/7/23 (9 th picking)		HARI (ANUR)	167	27140	



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WS-23, COWPEA OFD CPV2 PICTURE





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WS-23 Cowpea Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	RST (17-26) YLR	TE#18, 24,21,23	Selected entries for CT	Check against YB
Jharkhand	CT(1-10)	CT#2,10,5,8	CT#2 and 10 for OPD	Kenali/Ankur
Jharkhand	OPD CPV41 & OPD CPV2	CPV41		

Product Development



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WS-23 Bottle gourd CT(17-26) Cylindrical Ranchi

Location : Ranchi						Location : Ranchi(JB)			
1 st set (7 th picking) DOS-20/7/23						2 nd set DOS:17/6/23, DOT:5/7/23			
Entry	FP	Total Fruit	Total Wt.	(GSB+fruit wt) Dead FP	Yield FP-uniformity	FP	GSB dead FP		Remark: green color primary and yellow secondary selection
CT#17	44	62	55940	15		40	15	1 st set damaged due to high GSB pressure (vegetative to flowering stage) selection only remaining plant population.	High yield, high uniformity, but bulging, deformity after 4-5 picking.
CT#18	44	62	50050	17		40	22		Good uniformity, long fruit like 42-54cm, after 4-5 picking fruit medium uniformity but high yield.
CT#19	44	58	45780	19	1 H	40	40		Medium uniformity, long thin fruits (42-50 cm).
CT#20	44	37	31340	21		40	40		Good fruit quality, Medium high uniformity but whitish color, low yield and high GSB present.
CT#21	44	47	38660	18		40	24		Medium high yield but whitish fruit color and Medium fruit uniformity.
CT#22	44	63	58880	14		40	38		High fruit uniformity, good fruit quality green color and high yield.
CT#23	44	45	37380	12		40	15		High fruit uniformity but whitish fruit color, nipple stage bottom not.
CT#24	44	48	40250	14		40	22		Medium fruit uniformity, deformity area.
CT#25	42	22	16900	11		40	28		(Fair), Good cylindrical fruit stage, but low yield.
CT#26	40	48	36600	9		40	21		(Fair), Medium high fruit uniformity, oblong stage, deformity area, medium high yield, low GSB present.

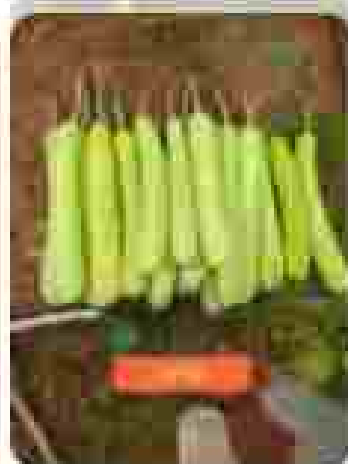


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WS-23, Bottle gourd CT(17-26) cylindrical Ranchi





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WS-23 Bottle gourd CT(17-26) Cylindrical Gola

Location : Gola(JE)

**3rd set (5th picking)
DOS:20/6/23, DOT: 7/7/23**

Entry	PP	Total fruits	Total Wt.	GSB fruit PP	GSB pressure	Remark: green color primary and yellow secondary selection
CT=17	27	33	21850	1	H	Bulging, medium uniformity, high GSB pressure
CT=18	No germination	0	0			No germination
CT=19	17	14	11973	4	SH	Long fruits, medium fruit uniformity and low yield.
CT=20	27	24	24400	2	HE	But bulging and medium high GSB pressure, but medium high uniformity, and yield
CT=21	21	32	14266	2	H	Whitish fruit color, medium fruit uniformity, High GSB pressure.
CT=22	17	24	12800	1	H	Good fruit quality, Medium high uniformity, but High GSB pressure and low yield.
CT=23	22	43	29500	2	30H	High uniformity, and yield but Medium high GSB pressure, nigger stage bottom end and whitish color.
CT=24	21	28	27365	2	SH	High yield medium GSB pressure but Medium uniformity, thick fruits.
CT=25	21	37	34178	1	SH	Average fruit quality, Medium GSB pressure and good yield.
CT=26	24	32	19740	2	SH	Medium uniformity, But bulging and deformity, low yield but Medium GSB pressure.



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WS-23 Bottle gourd CT(17-26) Cylindrical

Location : Golu(JP)

4th set (12th picking)
DOS: 7/6/23

This set second replication damaged by forest elephant

Entry	PP	Total fruit	Total Wt.	GSB pressure	Leaf spot	Remark- green color primary and yellow secondary selection
CT#17	20	49	20480	M	3	Excessive high yield but Fruit deformity, medium uniformity and bulging
CT#18	19	47	37410	M	3	Green color, high yield, medium high uniformity but fruit later deformity seen.
CT#19	17	46	34820	M	3	Long and medium uniform fruits.
CT#20	13	26	27655	H	3	High fruit uniformity, Medium high yield but high GSB pressure and whitish green color.
CT#21	17	38	26145	MH	3	Medium fruit uniformity, whitish fruit color, medium high GSB.
CT#22	16	27	27760	MH	7	High fruit uniformity, Medium high angular, Medium high GSB pressure.
CT#23	18	31	3535	H	3	medium uniformity, Medium angular leaf spot, High GSB pressure.
CT#24	17	34	21865	M	7	Medium uniformity, Medium high leaf spot but medium GSB pressure.
CT#25	13	28	19335	M	7	Medium high leaf spot, Medium GSB pressure, Medium high uniformity.
CT#26	18	35	23380	M	7	Medium high leaf spot, Medium GSB pressure, Medium high uniformity.



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WS-23, Bottle gourd OFD 120243

S.No	Farmer Name	Address: Dist., State	Entry	PP	Total yield	Remarks
1	Rameshwar Mahto DOS- 14/7/23 (7 th picking)	Bajpur Ranchi	120243	39	25000	High vine vigor, poor fruit, fruit length 40-45 cm, high fruit uniformity, low deformity, oblong to cylindrical fruits, high yield, (green to whitish color if delay in picking).
			Anokhi (Nunheem)	45	21113	High vine vigor, whitish fruit color, egg-like shape fruit looks bad, fruit length 55-60cm high uniformity, low deformity (see after 7 th picking), medium high yield.
			Anmol(EW)	35	52195	Medium high vine vigor, cylindrical fruit shape, dark green fruits, bulging, medium high uniformity, fruit length 22-33 cm, low to medium fruit deformity and medium high yield.
			Anni (clause) NEW	30	20200	Late hybrid, whitish green fruit color, cylindrical to oblong fruit shape, fruit length 38-40 cm, low yield.
			Anurag(NZ)	35	42950	Good fruit quality medium high fruit uniformity, green fruit color but late and medium yield, fruit length 35-40 cm.
2	Rajesh Mahto DOS- 5/7/23 (4 th picking)	Tomagatu Gola	120243	36	10010	High vine vigor, high GSB pressure, but fruit bulging, green fruit color.
			Anmol(EW)	36	13300	High GSB pressure, short length average fruit quality, dark green color.



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WS-23, Bottle gourd OFD pictures





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WS-23 Bottle gourd Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	CT(17-26)	CT#18,22,20,25	Retest in DS and SS	Due to high GSB pressure
Jharkhand	OPD 120243			Due to high GSB many sets damaged

Product Development



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WS-23 Sponge gourd CT(1-8) DG Ranchi

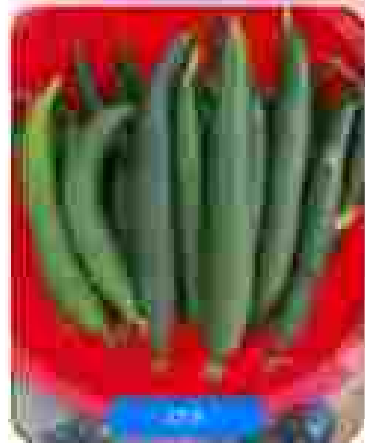
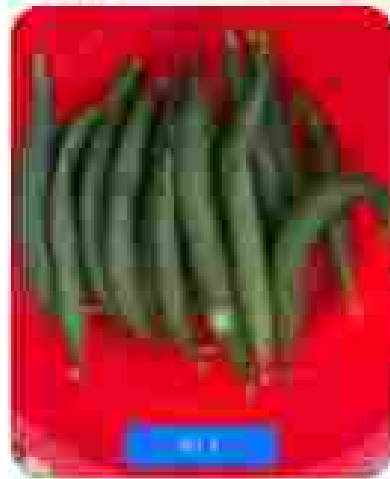
Location : Ranchi(JH)						Location : Ranchi(JH)				
1 st set (9 th picking) DOT-6/7/23						2 nd set (10 th picking) 4/7/23				
Entry	FP	Total fruits	Total Wt.	Yield	DM-GSB	FP	Total fruits	Total Wt.	DM-GSB	Remark- green color primary and yellow secondary selection
CT#1	24	170	15040	88	7	34	109	12030	8	Medium vine vigor, early DM and GSB, fruit quality good but low yield and low rejuvenation.
CT#2	26	394	40460	9	3	34	243	22430	3	Good fruit quality, Good vine vigor, consistent higher yield, high rejuvenation and high yield.
CT#3	28	298	47115	9	3	35	171	26755	7	Early good yield with good fruit quality (color, length and uniformity), Medium rejuvenation and medium high yield.
CT#4	27	345	36205	9	3	33	183	23353	7	Medium fruit uniformity, medium rejuvenation and medium yield.
CT#5	25	233	35230	9	3	35	145	20133	+	Medium fruit uniformity, short fruit length (22-24 cm), low rejuvenation and low yield.
CT#6	28	310	48145	9	3	35	277	31610	7	Earliness, high fruit uniformity, high yielder, medium rejuvenation, but color variations (green, DG and LG).
CT#7	27	284	37945	8	7	33	119	14923	5	Early Decad (DM and GSB, Medium high uniformity), low rejuvenation and low yield.
CT#8	27	251	36960	8	7	31	129	12205	7	Good fruit quality, low to medium rejuvenation but low yield.



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WS-23 Sponge gourd CT(1-8) DG Ranchi





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WS-23 Sponge gourd CT(1-8) DG Gola

Location : Gola(JH)							Location : Gola(JH)					Remarks: green color primary and yellow secondary selection
3 rd set (1 st picking) DOS: 7/23							4 th set (1 st picking) DOS: 5/23					
Ent. #	PF	Total Fruits	Total Wt.	Yrns	DM -G5B	PP	Total Fruits	Total Wt.	PP	Yrns	DM -G5B	
CT#1	1E	188	20405	1.31	9	30	95	9300	20	25.34	9	Medium high vine vigor, Medium uniformity, early DM pressure, high yield.
CT#2	2E	222	23218	1.3	7	29	161	16502	21	27.8	7	High vine vigor, Good fruit quality, Medium high uniformity, medium DM pressure, high vine maturity and yield.
CT#3	1F	227	29239	1.31	7	39	101	10555	20	29.8	7	Efficient, good fruit quality, Medium high DM pressure, but high yield.
CT#4	2I	218	20105	1.31	8	10	111	11953	10	28.23	8	Green to DG color, medium fruit uniformity but high yield.
CT#5	2B	282	27729	0	5	29	65	6810	29	21.368	5	Short fruit size, some fruit long (mixing), green to dark green fruit color, Medium high DM pressure and medium yield.
CT#6	2I	259	27935	1.31	7	29	143	12280	21	21.368	7	Good uniformity, medium DM pressure and yield but fruits green to light green in color.
CT#7	1F	218	35590	1.31	9	30	95	9365	30	26.31	9	Medium high uniformity, High DM pressure and high yield but low longevity.
CT#8	1E	200	23445	1.31	7	29	99	10693	21	22.368	7	Fruit quality good but late, Medium high DM pressure and medium yield.



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WS-23 Sponge gourd Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	CT(1-8)	CT#2	Large scale OFD with sales	Against Sindhu (Dhanya), Alia (Karee) and other DG segment

Product Development



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WS-23 Chilli RST (1-12) small RNC

Location : Ranchi(JH)					Location : Ranchi(JH)				Remark- green color primary and yellow secondary selected
1 st set (6 th picking) DOS-5-7-23, DOT-18-8-23					2 nd set (4th picking) DOS-10-7-23, DOT-27-8-23				
Entry	PF	Total T/L	Virus	Wilt PF	TF	Total Wt	Virus	Wilt PF	
TE61	24	24100	0	0	33	34100	0	0	Earliest, average fruit quality bit thick, medium toughness but high pungency, 20-25% pigmentation, High yield
TE62	23	11000	1.0	0	35	27000	0	0	Dark green small fruits, high toughness and pungency, bit thick and Length reduction, not/breakable (2 plants off type agr/gdt)
TE63	20	12000	1.0	0	35	48200	0	0	Farmer green, Extra thick fruits, low toughness, weak pungency
TE64	22	12000	0	0	33	33700	0	0	Good fruit quality, pigmentation, straight DG fruits, high toughness and pungency and good yield
TE65	18	8000	0	1	33	17000	0	0	True type plants, cluster bearing, 30-90 % pigmentation, small fruits lot and low yield.
TE66	23	10000	0	0	34	36000	0	0	Good fruit quality, bit thick but straight DG fruits 5-5% pigmentation, high toughness and pungency, high yield.
TE67	30	10000	1.0	0	34	30200	1.0	0	Thin but bit long and bending DG fruits, No pigmentation at 4th picking, high pungency and high yield
TE68	20	10000	0.0	1	33	22070	0	0	Starting 1-2 picking fruit long but thin and bending but at 2nd picking straight fruits, medium toughness but high pungency and good yield.
TE69	15	10000	0.0	0	21	17000	0	0	Good fruit quality, DG, medium high toughness, high pungency bit length reduction and medium high yield.
TE70	30	12000	0.0	0	34	33700	0.0	0	Green long and thick fruits, medium toughness and medium pungency but high yield.
TE71	20	10000	0	0	34	0	0	0	Germmination issue/DG thin fruits, high pungency and toughness and good yield.
TE72	25	10000	0	0	34	3000	0	0	Germmination issue, Good fruit quality glossy fruits, 20-40% pigmentation, high toughness and high pungency and good yield.



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WS-23 Chilli RST(1-12) small Gola

Location : Gola(JB)					Location : Gola(JM)				
3 rd set (5 th picking) DOS-30/6/23, DOI-27/7/23					4 th set (1 st picking) DOS-31/7/23, DOI-3/9/23				
Entry	FF	Total Wt.	Virus	With FF	FF	Total Wt.	Virus	With PP	Remark- green color primary and yellow secondary selection
TEA1	25	4340	0	0	30	3222	0	0	3-4% pigmentation, 3rd block and length reduction, medium toughness and high pungency, high yield.
TEA2	0	0	0	0	15	440	0	0	(Germination status) largest in this set.
TEA3	25	3790	2%	0	25	700	0	0	Extra thick and long fruits, Pearly green, high length reduction, low yield.
TEA4	25	4330	2%	1	22	400	0	0	Dark green straight fruits, high toughness, high pungency and high yield.
TEA5	25	3880	2%	0	17	340	0	0	30% plant showing bearing pattern, Green and small hot thick fruits, 45-50% pigmentation.
TEA6	25	3890	4%	0	31	440	0	0	Dark green, high toughness and high pungency but hot from hot day and length reduction.
TEA7	25	3580	2.5%	0	31	700	0	0	1-2 picking long fruits, hot Dark green, high toughness and pungency and good yield.
TEA8	25	3570	0%	0	17	320	0	0	Dark green, hot fruit but 1-2 picking long and hot bearing fruits, Medium yield.
TEA9	25	3270	2.5%	0	14	700	0	0	Dark green fruit, high toughness, high pungency and high yield.
TEA10	25	440	12.5%	0	14	0	0	0	Light green hot thick fruits, length reduction, high virus presence, low yield.
TEA11	25	3100	2.5%	1	28	80	0	0	(Germination status), PG, high toughness and pungency, hot length reduction but good yield.
TEA12	24	700	2.5%	0	11	0	0	0	(Germination status), Small hot thick stringy fruits, length reduction app.



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WS-23 Chilli RST (1-12) small Ranchi

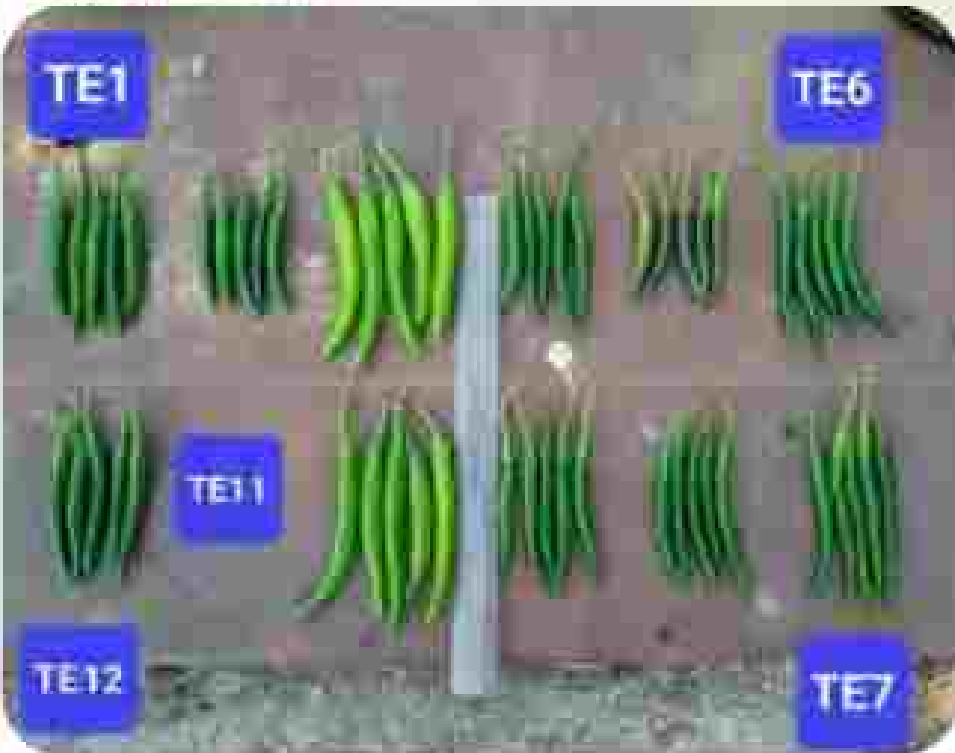




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WS-23 Chilli RST (1-12) small Ranchi



Product Development



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WS-23 Chilli CT(1-10) small Ranchi



Location : Ranchi(JH)

**1st set (5th picking)
DOS- 16-7-23, DOT- 27-8-23**

Entry	EP	Total Wt	Yield	Wt/EP	Remark- green color primary and yellow secondary selection
CTH1	34	2108	18	1	Good, smooth and slight fruit, medium toughness and medium pungency and high yield (Fruit in green colour)
CTH2	33	1886	1	2	Mix fruit (DG with green fruits), bit length reduction, 15-30% pigmentation but good yield.
CTH3	33	1988	1	1	Dark green smooth fruit, bit, high toughness and high pungency and good yield
CTH4	34	2474	18	1	Long, thick and bending fruit, medium toughness and medium pungency
CTH5	34	2120	1	1	Good fruit quality, heavy branching, and good yield (at field condition more flower seen in this hybrid), one issue in this hybrid high length reduction
CTH6	33	1823	1	1	High toughness, high pungency but fruit bending but good yield.
CTH7	33	2001	1	1	Dark green smooth fruit, bit, high toughness and high pungency and high yield
CTH8	33	2154	1	1	Good bit thick fruits, medium toughness and pungency but high yield
CTH9	33	3029	1	1	Green bit thick and long, medium toughness and pungency but high yield
CTH10	17	1173	1	1	High pigmentation (70-80%), germination 100%, bit high toughness and pungency with shining fruits and good yield



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WS-23 Chilli CT(1-10) small Ranchi

Location : Ranchi(JH)					Location : Ranchi(JM)					
1 st set (5 th picking) DOS- 5-7-23, DOT- 18-8-23					2 nd set (5 th picking) DOS- 5-7-23, DOT- 18-8-23					
Entry	FP	Total Wt	Virus	Wt/ FP	FP	Total Wt	Virus	Wt/ FP	Remark	
CT1	30	1700	0	56	48	1000	0	21	Remark: green color primary and yellow secondary selection	
CT2	30	1100	0	36	30	1100	0	37	Small, green, rough fruit but thick. Medium brightness, medium pungency, high yield.	
CT3	30	1250	0	41	40	1250	0	31	Slit type (DG with green fruit).	
CT4	28	1000	0	35	30	1000	0	33	High brightness and pungency, and good yield.	
CT4	28	1000	0	35	30	1000	0	33	Thick leaf and medium brightness and pungency.	
CT5	28	900	0	32	45	1000	0	22	Straight fruit, high brightness and high pungency, no pigmentation, good yield but leafy substance high.	
CT6	30	1000	0	33	30	900	0	30	Dark green, High brightness, high pungency, bit bending but good yield.	
CT7	30	1400	0	46	40	1400	0	35	High brightness and pungency, rough DG fruit, high yield.	
CT8	30	700	0	23	28	400	0	14	In germ! Green, medium brightness and high pungency.	
CT9	28	800	0	28	Absent				Green, long fruits, medium brightness, medium pungency, High fatness with.	
CT10	Excluded in 2024				Germmination issue					



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WS-23 Chilli CT(1-10) small Ranchi

Location : Gola(JH)						Location : Ranchi(JH)				
4 th set (5 th picking) DOS- 15-7-23, DOT- 16-8-23						5 th set (No fruiting damaged by virus) DOS- 4-7-23, DOT- 3-8-23				
Entry	FP	Total Wt	Virus	Teqno virus	With FP	Total Wt	FP	Virus	With FP	Remark: green color primary and yellow secondary selection
CTH	23	304	100%	100%	0	NA	45	100%		Green smooth thick fruits, medium toughness but high pungency.
CTI	24	405	40%	61	1	NA	45	100%		Medium plant canopy, DG bit (thick fruits, high pungency, high toughness and good yield)
CTJ	25	470	0	41	0	NA	45	100%		Dark green straight thin fruits, high toughness high pungency and high yield.
CTK	26	333	100%	61	0	NA	45	100%		Dark green long and bending fruits, medium toughness and medium pungency but good yield.
CTL	27	410	0	61	1	NA	45	100%		Dark green straight thin fruits, high toughness and pungency, good yield but high length reduction.
CTM	28	308	20%	63	0	NA	45	100%		Dark green fruits, high toughness and pungency, bit bending and medium yield.
CTN	29	400	0%	73	0	NA	45	100%		Dark green straight thin fruits, high toughness and pungency, high yield.
CTO	30	365	20%	40%	0	NA	45	100%		Green bit long and thick fruits, medium toughness and pungency and medium yield.
CTP	above	0		0	0	NA	45	100%		Absent in this set
CTQ	23	300	100%	61	0	NA	45	100%		Dark green gloomy fruits, bit length reduction but high yield.
AJH (Red/YSO)	23	405	100%	71	0	NA				High plant canopy, Dark green thin fruits, high toughness and pungency and good yield.



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WS-23, Chilli CT(1-10) small Picture Ranchi





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WS-23 Chilli Conclusion

Location	Trial	Selected entry	Promoted to	Remarks
Jharkhand	RST(1-12)	TE#4,9,8,7,6	CT	Check against Agni and Eagle (trial on going)
Jharkhand	CT(1-10)	CT#7,3 and 5	OPD	Check against Agni and Eagle (trial ongoing)

Product Development



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WS-23 Radish RST(21-25)

DOS- 15/10/23, Date of first picking- 28/11/23

No. of Harvest- 2nd (maturity)

Entry	Maturity	Leaf type	Root length	Root girth	Forking %	Root hair	Hollowness	Wt with leaf (10 roots)	Wt without leaf (10 roots)	Total yield
CT#21	43-45	Serrated	21-26	2.9	30-35	H	NA	1585	1130	16360
CT#22	43-45	Serrated	22-24	2.9	0-5	L	NA	2170	990	12800
CT#23	43-45	Serrated	21-26	3.1	0-5	M	NA	1520	1110	16850
CT#24	43-45	Serrated	20-22	2.9	0-5	M	NA	2380	940	11150
CT#25	43-45	Serrated	21-24	3.0	5-10	M	NA	2770	1150	15940
CT#26	43-45	Serrated	21-24	3.1	35-30	M	NA	2980	1350	20160



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WS-23 Radish RST(21-25)

DOS- 13/9/23, Date of first picking- 26/10/23

No. of Harvest- 2nd

Entry	Maturity	Leaf type	Root length	Root girth	Forking %	Root hair	Hollowness	Wt with leaf (10 roots)	Wt without leaf (10 roots)	Total yield
TER21 (In patch)	43-45	Serrated	17-19	3	0-5	M	NA	1960	1250	6190
TER22 (In patch)	43-45	Serrated	18-21	2.9	0-5	L	NA	1940	1250	6190
TER23	43-45	Serrated	19-24	3.1	0-5	L	NA	2475	1390	2500
TER24	43-45	Serrated	18-21	3.1	0-5	L	NA	2455	1380	26200
TER25	43-45	Serrated	19-22	3.1	0-5	M	NA	2565	1390	16438



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DS-23-24 Radish RST(21-25)



Product Development



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DS-23-24 Radish RST(21-26) Gola





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WS-23, Brinjal OFD 121070

S.No	Farmer Name	Address: Dist., State	Entry	PP	Total yield	Remarks
1	Rameshwar Mahto	Bajpur Ranchi	121070	175	73kg	<ul style="list-style-type: none"> ◆ Good plant canopy, cluster bearing plant, heavy fruiting, purple flower, non spiky calyx, purple fruit color. ◆ 55-60day first picking after transplanting. ◆ Fruit length 15-18cm, 100-120gms per fruit weight. ◆ medium to high (fatalium + BW) pressure at 3rd picking 55 plants died due to (fatalium + BW). ◆ Mandi price less than check (3-5 rupees) due to purple color. ◆ Better those market where purple color prefer and low wilt pressure.
	DOS: 10/7/23 DOI: 21/8/23	3 rd picking	Rohan (NZ)	140	59kg	<ul style="list-style-type: none"> ◆ Good plant canopy, single bearing, medium early. ◆ White color flower, non spiky, pink fruit color. ◆ Fruit length 15-17cm, 120-125gms per fruit weight. ◆ Medium (fatalium + BW) pressure, at 3rd picking 21 plants died due to wilt. ◆ Mandi price higher than OFD due to pink color.
2	Vindheshwar Mahto	Bero:	121070	70		At flowering stage 29 plant damaged due to BW out of 70 plants
	DOS: 7/7/23 DOI: 6/8/23	No picking	Rohan (NZ)	55		At flowering stage 36 plant damaged due to BW out of 55 plants



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WS-23 Brinjal OFD comparatively picture with check



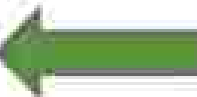


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WS-23 Brinjal OFD picture



121070
cluster
bearing
plant



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