

**ADVANCED VARIETAL TRIAL (RAINFED)-NHZ
Location wise & Zonal means (Grain Yield in q/ha)**

Entry	Code	Berthin, HP			Kangra, HP			Almora			Bajaura			Malan		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
BHS 472	NHGBZ-1815	28.5	4	0	18.77	19	0	26.72	3	0	25.62	3	1	17.08	15	0
BHS 474	NHGBZ-1809	22.8	11	0	34.22	3	0	20.83	15	0	20.50	10	0	24.09	5	0
BHS 475	NHGBZ-1808	24.1	7	0	29.39	8	0	29.47	1	1	23.29	8	0	26.29	3	0
BHS 476	NHGBZ-1821	29.6	3	0	27.48	13	0	20.95	14	0	17.39	17	0	19.69	12	0
BHS 477	NHGBZ-1807	23.4	10	0	37.68	1	1	22.31	11	0	18.32	15	0	16.50	17	0
HBL 845	NHGBZ-1811	21.7	13	0	28.30	11	0	18.69	21	0	14.44	19	0	20.78	10	0
HBL 848	NHGBZ-1814	20.5	15	0	23.12	18	0	20.08	17	0	20.65	9	0	17.29	14	0
HBL 851	NHGBZ-1817	23.9	8	0	26.66	15	0	18.84	20	0	19.18	12	0	17.96	13	0
HBL 858	NHGBZ-1818	19.0	18	0	26.38	16	0	20.98	13	0	18.09	16	0	14.96	19	0
HBL 863	NHGBZ-1803	20.6	14	0	30.97	6	0	25.48	6	0	24.30	5	0	19.87	11	0
UPB 1077	NHGBZ-1812	20.2	17	0	15.05	21	0	22.74	9	0	19.95	11	0	15.17	18	0
UPB 1078	NHGBZ-1813	22.7	12	0	28.08	12	0	26.09	4	0	19.10	13	0	17.01	16	0
UPB 1082	NHGBZ-1802	25.7	6	0	16.00	20	0	21.23	12	0	18.87	14	0	20.86	9	0
VLB 161	NHGBZ-1801	18.8	20	0	33.91	4	0	19.47	19	0	16.38	18	0	10.79	21	0
VLB 162	NHGBZ-1810	33.0	2	1	36.50	2	1	28.56	2	1	25.31	4	1	21.57	8	0
VLB 163	NHGBZ-1805	18.9	19	0	30.51	7	0	24.21	8	0	24.15	7	0	21.84	6	0
VLB 164	NHGBZ-1806	26.0	5	0	28.64	9	0	20.53	16	0	13.66	20	0	13.02	20	0
BHS 352 (C)	NHGBZ-1820	15.7	21	0	28.37	10	0	20.05	18	0	11.10	21	0	21.70	7	0
BHS 400 (C)	NHGBZ-1819	34.8	1	1	26.96	14	0	25.60	5	0	24.30	5	0	33.15	2	1
HBL 113 (C)	NHGBZ-1804	20.3	16	0	31.48	5	0	24.61	7	0	27.10	1	1	25.11	4	0
VLB 118 (C)	NHGBZ-1816	23.5	9	0	24.92	17	0	22.46	10	0	26.09	2	1	33.70	1	1
	G.M.	23.5			27.78			22.85			20.37			20.40		
	S.E.(M)	1.8			0.60			0.92			1.00			1.04		
	C.D.	4.1			1.41			2.18			2.36			2.45		
	C.V.	14.9			4.30			8.06			9.79			10.17		
	DOS	27.10.2018			10.11.18			22.10.18			6.11.2018			9.11.18		

**ADVANCED VARIETAL TRIAL (RAINFED)-NHZ
Location wise & Zonal means (Grain Yield in q/ha)**

Rabi 2018-19

Entry	Code	Shimla			Majhera			Katrain			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
BHS 352	NHGBZ-1820	17.86	15	0	16.30	16	0	21.74	14	0	19.1	20	0
BHS 472	NHGBZ-1815	26.65	1	1	15.49	20	0	22.05	10	0	22.6	9	0
BHS 474	NHGBZ-1809	21.40	7	0	20.52	11	0	22.36	9	0	23.3	6	0
BHS 475	NHGBZ-1808	20.49	9	0	22.10	10	0	16.05	21	0	23.9	5	0
BHS 477	NHGBZ-1807	18.80	13	0	16.03	17	0	21.84	13	0	21.9	13	0
HBL 845	NHGBZ-1811	16.27	17	0	20.02	12	0	24.84	7	0	20.6	17	0
HBL 848	NHGBZ-1814	13.59	21	0	25.36	7	0	27.95	3	1	21.1	16	0
HBL 851	NHGBZ-1817	14.25	20	0	31.88	1	1	24.95	6	0	22.2	11	0
HBL 858	NHGBZ-1818	15.73	18	0	19.38	14	0	22.05	10	0	19.6	19	0
HBL 863	NHGBZ-1803	22.22	4	0	14.95	21	0	21.01	15	0	22.4	10	0
UPB 1077	NHGBZ-1812	20.63	8	0	28.99	3	1	29.09	1	1	21.5	14	0
UPB 1078	NHGBZ-1813	23.22	3	0	30.25	2	1	20.19	18	0	23.3	7	0
UPB 1082	NHGBZ-1802	15.52	19	0	24.82	8	0	18.53	19	0	20.2	18	0
VLB 161	NHGBZ-1801	18.88	12	0	15.63	19	0	18.43	20	0	19.0	21	0
VLB 162	NHGBZ-1810	21.68	6	0	27.36	5	0	20.70	16	0	26.8	2	1
VLB 163	NHGBZ-1805	18.59	14	0	16.49	15	0	20.39	17	0	21.9	12	0
VLB 164	NHGBZ-1806	17.15	16	0	28.89	4	1	22.05	10	0	21.2	15	0
BHS 400 (C)	NHGBZ-1819	19.64	10	0	26.99	6	0	27.33	4	1	27.4	1	1
BHS 476 (C)	NHGBZ-1821	21.68	5	0	15.94	18	0	28.16	2	1	22.6	8	0
HBL 113 (C)	NHGBZ-1804	25.26	2	0	19.93	13	0	24.84	7	0	24.8	3	0
VLB 118 (C)	NHGBZ-1816	19.08	11	0	22.46	9	0	25.36	5	0	24.7	4	0
	G.M.	19.46			21.89			22.85			22.4		
	S.E.(M)	0.36			1.56			0.96			0.392		
	C.D.	0.84			3.68			2.29			0.9		
	C.V.	3.66			14.21			7.28			26.4		
	DOS	5.11.18			2.11.18			10.11.2018					

ADVANCED VARIETAL TRIAL (RAINFED)-NHZ

Summary of ancillary and disease data

Rabi 2018-19

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS			DISEASE REACTION							
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Ran ge	Two/ Six Row	Grai n Colo ur	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Ap hi d
											Y L	BR	BL	L (%)	C (%)	Sp ot (%)	L B	
BHS 352	NHGBZ-1820	123 (112-149)	170 (150-194)	84 (72-105)	143	4	6	A	33 (29-38)	H								
BHS 472	NHGBZ-1815	127 (117-149)	169 (141-195)	96 (76-110)	177	4	6	Y	36 (32-40)	H						01		
BHS 474	NHGBZ-1809	126 (114-104)	172 (145-196)	84 (64-102)	153	4	6	Y	39 (36-45)	H								
BHS 475	NHGBZ-1808	128 (104-154)	174 (155-198)	88 (70-111)	202	3	6	Y	33 (26-38)	H								
BHS 477	NHGBZ-1807	124 (111-145)	170 (145-191)	87 (70-108)	175	4	2	Y	45 (39-51)	H				10%	11			
HBL 845	NHGBZ-1811	130 (117-154)	173 (150-198)	86 (71-107)	181	3	2	Y	40 (34-46)	H	T S							
HBL 848	NHGBZ-1814	125 (110-149)	173 (151-195)	91 (76-106)	146	3	6	Y	41 (37-45)	H	S S			20%				
HBL 851	NHGBZ-1817	122 (109-147)	171 (152-195)	86 (70-107)	149	3	6	Y	36 (31-42)	H								
HBL 858	NHGBZ-1818	129 (115-153)	170 (142-196)	89 (73-103)	159	4	6	A	33 (28-39)	H				60%	01			
HBL 863	NHGBZ-1803	128 (119-148)	173 (152-195)	86 (65-112)	172	4	6	Y	32 (28-39)	H	T S							
UPB 1077	NHGBZ-1812	123 (109-147)	170 (141-194)	86 (69-109)	151	4	6	Y	37 (33-40)	H						01		

UPB 1078	NHGBZ-1813	128 (111-155)	172 (145-197)	83 (68-104)	168	3	6	Y	37 (33-42)	H					11		
UPB 1082	NHGBZ-1802	121 (110-146)	168 (144-190)	83 (65-104)	153	3	6	Y	37 (35-39)	H				20%			
VLB 161	NHGBZ-1801	129 (114-153)	170 (142-196)	90 (73-111)	160	3	2	A	35 (31-40)	H				10%			
VLB 162	NHGBZ-1810	128 (115-152)	171 (143-196)	93 (77-110)	186	4	2	Y	42 (38-47)	H				30%	01		
VLB 163	NHGBZ-1805	127 (115-150)	170 (144-195)	84 (66-106)	205	4	2	Y	40 (36-49)	H					01		
VLB 164	NHGBZ-1806	120 (107-147)	168 (140-194)	82 (67-98)	141	3	6	Y	38 (36-42)	H							
BHS 400 (C)	NHGBZ-1819	128 (110-155)	172 (145-196)	87 (69-111)	180	4	6	Y	39 (36-42)	H					01		
BHS 476 (C)	NHGBZ-1821	131 (121-155)	173 (151-198)	88 (73-111)	155	4	6	Y	36 (32-40)	H				50%			
HBL 113 (C)	NHGBZ-1804	130 (115-155)	171 (142-197)	82 (68-103)	198	3	2	Y	35 (31-39)	H					01		
VLB 118 (C)	NHGBZ-1816	122 (111-146)	169 (142-193)	83 (67-105)	194	3	6	Y	42 (39-45)	H					01		

**ADVANCED VARIETAL TRIAL-DUAL PURPOSE BARLEY (RF-TS)-NHZ
Location wise & Zonal means (Grain Yield in q/ha)**

Rabi 2018-19

Entry	Code	Almora			Palampur			Bajaura			Shimla			Majhera			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
VLB 155	NHTSZ 1802	22.6	2	1	43.5	1	1	18.9	4	0	28.2	3	0	21.5	3	0	26.9	1	1
BHS 380(C)	NHTSZ 1804	18.8	4	0	27.2	3	0	21.7	3	0	28.7	2	1	14.5	4	0	22.2	4	0
BHS 400 (C)	NHTSZ 1801	21.2	3	1	23.6	5	0	23.4	1	1	28.1	4	0	24.9	1	1	24.2	3	0
HBL 276(C)	NHTSZ 1805	18.7	5	0	25.4	4	0	18.0	5	0	21.0	5	0	14.0	5	0	19.4	5	0
VLB 118(C)	NHTSZ 1803	23.1	1	1	27.8	2	0	22.7	2	1	31.6	1	1	22.0	2	0	25.4	2	0
	G.M.	20.9			29.5			20.9			27.5			19.4			23.6		
	S.E.(M)	0.8			1.5			0.7			1.3			0.8			0.482		
	C.D.	2.0			3.8			1.6			3.4			2.0			1.1		
	C.V.	7.7			10.3			6.2			9.7			8.1					
	DOS	25.10.18			25.10.18			6.11.18			20.10.18			27.10.18					

**ADVANCED VARIETAL TRIAL-DUAL PURPOSE BARLEY (RF-TS)-NHZ
Location wise & Zonal means (Forage Yield in q/ha)**

Rabi 2018-19

Entry	Code	Almora			Palampur			Bajaura			Shimla			Majhera			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
VLB 155	NHTSZ 1802	79.1	2	0	31.0	3	0	31.8	2	0	30.2	1	1	16.3	1	1	37.7	2	1
BHS 380 (C)	NHTSZ 1804	87.6	1	1	39.4	1	1	27.5	3	0	27.0	3	0	15.4	2	1	39.4	1	1
BHS 400 (C)	NHTSZ 1801	70.3	5	0	34.9	2	1	22.4	4	0	26.6	4	0	14.1	3	1	33.7	4	0
HBL 276 (C)	NHTSZ 1805	73.4	4	0	28.9	4	0	45.3	1	1	22.5	5	0	13.6	5	1	36.8	3	0
VLB 118 (C)	NHTSZ 1803	73.5	3	0	23.8	5	0	20.5	5	0	27.3	2	0	14.0	4	1	31.8	5	0
	G.M.	76.8			31.6			29.5			26.7			14.7			35.9		
	S.E.(M)	2.6			2.0			2.3			0.9			1.1			0.864		
	C.D.	6.7			5.1			5.9			2.3			2.8			2.0		
	CV (%)	6.9			12.9			15.9			6.8			14.9					
	DOS	25.10.18			25.10.18			6.11.18			20.10.18			27.10.18					

ADVANCED VARIETAL TRIAL-DUAL PURPOSE BARLEY (RF-TS)-NHZ

Summary of ancillary and disease data

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS		
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Ran	Two/ Six Row	Grai n Colo ur	1000 g.w Mean & Range	H/N
VLB 155	NHTSZ 1802	133 (132-136)	176 (164-182)	82 (40-101)	196 (87-409)	3	2	Y	61 (40-82)	H
BHS 380 (C)	NHTSZ 1804	137 (131-144)	179 (166-186)	72 (32-91)	163 (76-316)	3	6	Y	52 (32-72)	H
BHS 400 (C)	NHTSZ 1801	139 (137-144)	181 (169-186)	76 (31-98)	168 (80-334)	4	6	Y	54 (31-76)	H
HBL 276 (C)	NHTSZ 1805	135 (132-140)	179 (167-182)	78 (33-90)	142 (68-269)	3	6	A	55 (33-78)	H
VLB 118 (C)	NHTSZ 1803	130 (125-135)	177 (165-183)	76 (34-94)	149 (68-274)	4	6	Y	55 (34-76)	H

INITIAL VARIETAL TRIAL-FEED BARLEY (IRRIGATED)-NWPZ
Location wise& Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Karnal			Hisar			Durgapura			Ludhiana			Pantnagar			Tabiji			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
BH1023	IVT-IRFB-E17	60.5	12	0	41.5	11	0	66.7	13	0	33.5	16	0	48.1	2	1	47.5	8	0	49.6	9	0
BH1024	IVT-IRFB-E20	52.5	17	0	44.2	6	0	66.9	11	0	29.5	18	0	32.2	18	0	43.9	11	0	44.9	18	0
DWRB203	IVT-IRFB-E15	65.1	8	0	38.4	17	0	67.1	10	0	48.0	5	0	44.1	3	0	32.2	21	0	49.2	10	0
DWRB205	IVT-IRFB-E10	49.6	19	0	39.9	13	0	55.8	20	0	40.3	11	0	33.1	14	0	61.6	1	1	46.7	16	0
HUB266	IVT-IRFB-E8	56.5	15	0	41.1	12	0	67.4	9	0	45.9	7	0	39.3	8	0	36.6	18	0	47.8	12	0
KB1707	IVT-IRFB-E2	89.8	1	1	48.0	4	1	76.8	3	1	51.3	2	1	39.8	6	0	34.2	19	0	56.6	1	1
KB1713	IVT-IRFB-E5	44.8	20	0	43.7	8	0	62.6	18	0	44.7	9	0	42.0	4	0	44.3	10	0	47.0	14	0
NDB1709	IVT-IRFB-E11	61.4	11	0	33.6	20	0	64.7	16	0	37.6	14	0	39.6	7	0	44.7	9	0	46.9	15	0
NDB1723	IVT-IRFB-E14	57.9	14	0	39.1	15	0	60.6	19	0	36.2	15	0	30.0	20	0	42.3	12	0	44.4	19	0
PL906	IVT-IRFB-E9	75.8	5	0	44.4	5	0	78.3	2	1	49.4	4	1	32.8	16	0	55.2	5	0	55.9	2	1
PL909	IVT-IRFB-E12	74.4	6	0	44.1	7	0	64.7	16	0	39.2	12	0	34.2	13	0	52.7	6	0	51.6	7	0
RD2991	IVT-IRFB-E1	40.7	21	0	39.5	14	0	71.0	5	1	19.9	20	0	36.8	11	0	39.5	13	0	41.2	20	0
RD2992	IVT-IRFB-E4	62.2	10	0	30.3	21	0	53.9	21	0	17.2	21	0	29.5	21	0	39.5	13	0	38.8	21	0
RD2994	IVT-IRFB-E3	78.7	3	0	34.4	19	0	66.4	14	0	52.3	1	1	39.9	5	0	52.7	6	0	54.1	3	0
UPB1077	IVT-IRFB-E6	53.6	16	0	39.0	16	0	70.3	7	0	29.8	17	0	48.5	1	1	38.2	15	0	46.6	17	0
UPB1080	IVT-IRFB-E7	79.8	2	0	43.1	10	0	66.2	15	0	41.9	10	0	37.1	10	0	56.4	3	0	54.1	4	0
BH 946 (C)	IVT-IRFB-E13	69.6	7	0	51.4	3	1	71.0	4	1	25.8	19	0	37.3	9	0	37.0	16	0	48.7	11	0
DWRB137 (C)	IVT-IRFB-E19	62.3	9	0	36.5	18	0	80.0	1	1	45.6	8	0	36.5	12	0	56.8	2	0	52.9	5	0
RD2552 (C)	IVT-IRFB-E16	58.7	13	0	43.2	9	0	70.5	6	0	38.5	13	0	32.2	19	0	56.0	4	0	49.9	8	0
RD2786 (C)	IVT-IRFB-E18	76.7	4	0	53.0	1	1	67.9	8	0	47.2	6	0	33.0	15	0	37.0	16	0	52.5	6	0
RD2899 (C)	IVT-IRFB-E21	50.8	18	0	52.0	2	1	66.9	11	0	50.5	3	1	32.5	17	0	33.8	20	0	47.7	13	0
	G.M.	62.9			41.9			67.4			39.2			37.1			44.9			48.9		
	S.E.(M)	2.3			2.1			3.2			1.5			1.4			1.5			0.851		
	C.D.	5.4			4.9			7.5			3.7			3.4			3.5			2.0		
	C.V.	6.2			8.6			8.1			6.8			6.8			5.7					
	DOS	15.11.18			11.11.18			10.11.18			10.11.18			10.11.18			15.11.18					

INITIAL VARIETAL TRIAL-FEED BARLEY (IRRIGATED)-NWPZ

Summary of ancillary and disease data

Rabi 2018-19

Entry	Code	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS			DISEASE REACTION							
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn · Me an &	Two/ Six Row	Grain Colour	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											YL	BR	BL	L (%)	C (%)	Spo t (%)	Leaf Blight	
BH1023	IVT-IRFB-E17	86 (68-99)	136 (128-144)	103 (94-111)	102 (79-117)		6		40 (35-44)	H						2	12	
BH1024	IVT-IRFB-E20	83 (65-93)	128 (124-133)	102 (90-121)	122 (96-138)		6		41 (38-43)	H						2	35	
DWRB203	IVT-IRFB-E15	84 (73-91)	133 (121-143)	102 (80-120)	118 (90-179)		6		40 (39-43)	H						2	24	
DWRB205	IVT-IRFB-E10	95 (77-103)	136 (129-142)	115 (98-126)	122 (102-165)		6		40 (35-44)	H	YL						12	
HUB266	IVT-IRFB-E8	94 (77-104)	136 (127-143)	110 (96-130)	123 (99-155)		6		46 (40-51)	H							02	
KB1707	IVT-IRFB-E2	95 (81-104)	135 (121-142)	105 (96-119)	101 (74-127)		6		39 (38-40)	H		40 S					02	
KB1713	IVT-IRFB-E5	92 (76-102)	137 (128-143)	101 (88-121)	108 (96-147)		6		46 (43-48)	H							02	
NDB1709	IVT-IRFB-E11	91 (72-102)	135 (127-144)	112 (96-130)	80 (62-95)		6		41 (38-43)	H				10			02	
NDB1723	IVT-IRFB-E14	89 (73-100)	134 (126-142)	107 (89-130)	89 (75-116)		6		41 (36-47)	H						2	02	
PL906	IVT-IRFB-E9	85 (68-94)	136 (123-142)	98 (82-120)	114 (77-159)		6		45 (43-49)	H							02	
PL909	IVT-IRFB-E12	92 (74-104)	137 (128-143)	100 (83-121)	130 (105-183)		6		48 (46-50)	H							02	
RD2991	IVT-IRFB-E1	81 (63-89)	131 (127-135)	98 (82-120)	104 (82-132)		6		46 (42-51)	H						5	46	
RD2992	IVT-IRFB-E4	83 (65-93)	130 (125-136)	105 (87-121)	91 (67-149)		6		43 (32-49)	H						5	35	

RD2994	IVT-IRFB-E3	81 (64-91)	131 (126-137)	98 (80-121)	107 (93-115)		6		47 (43-52)	H							02	
UPB1077	IVT-IRFB-E6	85 (65-95)	131 (124-136)	106 (92-121)	117 (96-125)		6		37 (35-41)	H				15	3	35		
UPB1080	IVT-IRFB-E7	84 (67-94)	133 (127-140)	96 (84-120)	121 (73-153)		6		37 (34-40)	H							45	
BH 946 (C)	IVT-IRFB-E13	88 (67-98)	135 (127-143)	103 (89-120)	107 (65-129)		6		45 (43-50)	H							02	
DWRB137 (C)	IVT-IRFB-E19	82 (66-92)	130 (125-135)	88 (64-111)	113 (100-122)		6		50 (47-54)	H					1	12		
RD2552 (C)	IVT-IRFB-E16	90 (73-104)	134 (119-143)	99 (83-125)	131 (113-162)		6		42 (40-49)	H							02	
RD2786 (C)	IVT-IRFB-E18	87 (68-102)	133 (124-141)	107 (84-130)	115 (77-135)		6		47 (44-50)	H					5	35		
RD2899 (C)	IVT-IRFB-E21	90 (71-101)	136 (123-143)	99 (89-105)	137 (106-181)		6		46 (43-52)	H							02	

INITIAL VARIETAL TRIAL-FEED BARLEY (IRRIGATED)-NEPZ
Location wise& Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Varanasi			Faizabad			Kalyani			Kanpur			Pusa			Sabour			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
BH1023	IVT-IRFB-E17	34.5	12	0	38.6	16	0	34.8	6	0	40.6	18	0	60.4	4	1	43.6	8	0	42.1	9	0
BH1024	IVT-IRFB-E20	34.6	11	0	32.6	19	0	32.6	10	0	40.9	17	0	39.9	20	0	39.1	15	0	36.6	19	0
DWRB203	IVT-IRFB-E15	36.6	7	0	40.1	14	0	31.2	12	0	46.4	11	0	49.9	15	0	42.8	9	0	41.2	11	0
DWRB205	IVT-IRFB-E10	29.6	16	0	48.3	3	1	29.0	16	0	40.6	18	0	41.1	19	0	38.6	16	0	37.9	17	0
HUB266	IVT-IRFB-E8	48.1	1	1	42.2	9	0	46.0	2	1	51.2	5	0	56.8	9	0	48.8	1	1	48.8	2	1
KB1707	IVT-IRFB-E2	35.8	10	0	40.3	13	0	35.5	5	0	42.0	14	0	50.3	13	0	36.8	18	0	40.1	13	0
KB1713	IVT-IRFB-E5	40.3	3	0	49.1	2	1	34.1	7	0	52.7	4	1	57.2	8	0	42.5	10	0	46.0	4	0
NDB1709	IVT-IRFB-E11	30.6	15	0	43.7	7	0	30.4	13	0	41.8	15	0	45.9	17	0	41.0	11	0	38.9	15	0
NDB1723	IVT-IRFB-E14	27.5	19	0	41.7	11	0	26.8	18	0	49.8	7	0	42.7	18	0	35.7	19	0	37.3	18	0
PL906	IVT-IRFB-E9	44.9	2	1	40.7	12	0	34.1	7	0	56.5	2	1	65.6	2	1	48.7	2	1	48.4	3	1
PL909	IVT-IRFB-E12	34.3	13	0	50.7	1	1	25.4	20	0	58.5	1	1	51.5	12	0	48.5	3	1	44.8	6	0
RD2991	IVT-IRFB-E1	25.7	20	0	46.3	4	0	31.2	11	0	44.0	13	0	56.4	10	0	37.6	17	0	40.2	12	0
RD2992	IVT-IRFB-E4	28.2	18	0	39.0	15	0	30.4	13	0	40.6	18	0	50.3	14	0	28.8	21	0	36.2	21	0
RD2994	IVT-IRFB-E3	33.1	14	0	31.4	21	0	51.4	1	1	53.6	3	1	60.4	4	1	44.3	7	0	45.7	5	0
UPB1077	IVT-IRFB-E6	21.3	21	0	37.7	18	0	26.7	19	0	39.6	21	0	63.6	3	1	46.5	6	1	39.2	14	0
UPB1080	IVT-IRFB-E7	29.3	17	0	46.1	5	0	20.0	21	0	41.8	16	0	53.1	11	0	39.6	13	0	38.3	16	0
BH 946 (C)	IVT-IRFB-E13	36.0	9	0	45.9	6	0	36.2	4	0	46.9	10	0	59.6	6	0	39.2	14	0	44.0	8	0
DWRB137 (C)	IVT-IRFB-E19	38.9	5	0	42.2	9	0	29.7	15	0	49.8	7	0	49.1	16	0	39.8	12	0	41.6	10	0
RD2552 (C)	IVT-IRFB-E16	38.9	6	0	43.6	8	0	34.1	9	0	50.7	6	0	81.3	1	1	47.0	5	1	49.3	1	1
RD2786 (C)	IVT-IRFB-E18	36.1	8	0	32.6	19	0	29.0	16	0	48.8	9	0	39.0	21	0	32.5	20	0	36.3	20	0
RD2899 (C)	IVT-IRFB-E21	39.2	4	0	38.6	17	0	37.7	3	0	45.9	12	0	58.0	7	0	47.2	4	1	44.4	7	0
	G.M.	34.5			41.5			32.7			46.8			53.9			41.4			41.8		
	S.E.(M)	1.7			1.4			2.3			2.7			2.3			1.6			0.835		
	C.D.	4.0			3.4			5.5			6.4			5.6			3.7			1.9		
	C.V.	8.5			5.9			12.2			9.9			7.5			6.5					
	DOS	24.11.2018			14.11.18			15.11.188			22.11.19			24.11.19			25.11.19					

INITIAL VARIETAL TRIAL-FEED BARLEY (IRRIGATED)-NEPZ
Summary of ancillary and disease data

Rabi 2018-19

Entry	Code	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS			DISEASE REACTION							
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Range	Two/ Six Row	Grain Colour	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											YL	BR	BL	L (%)	C (%)	Spot (%)	Leaf Blight	
BH1023	IVT-IRFB-E17	77 (70-85)	119 (112-124)	97 (83-106)	104 (78-122)		6		42 (32-55)	H							67	50
BH1024	IVT-IRFB-E20	78 (70-89)	120 (113-127)	89 (78-96)	104 (56-138)		6		42 (38-50)	H				0.01			56	0
DWRB203	IVT-IRFB-E15	76 (71-83)	121 (116-125)	92 (80-101)	110 (73-157)		6		42 (36-48)	H				0.5			46	50-60
DWRB205	IVT-IRFB-E10	84 (75-93)	121 (116-126)	96 (79-109)	92 (69-127)		6		40 (38-43)	H							57	0
HUB266	IVT-IRFB-E8	75 (50-88)	119 (112-124)	108 (98-120)	104 (73-143)		6		45 (41-54)	H							57	15-20
KB1707	IVT-IRFB-E2	84 (79-91)	121 (114-126)	93 (77-106)	106 (68-131)		6		39 (35-43)	H							68	62-70
KB1713	IVT-IRFB-E5	78 (72-85)	120 (112-125)	94 (80-103)	102 (67-142)		6		42 (36-51)	H							68	70-75
NDB1709	IVT-IRFB-E11	84 (75-95)	119 (113-124)	102 (89-111)	95 (54-128)		6		39 (36-45)	H							67	50
NDB1723	IVT-IRFB-E14	77 (71-86)	118 (113-124)	91 (78-100)	104 (70-145)		6		39 (36-43)	H				0.01			67	50
PL906	IVT-IRFB-E9	74 (65-87)	120 (114-127)	91 (87-95)	97 (69-142)		6		44 (41-48)	H			5				67	10-15
PL909	IVT-IRFB-E12	82 (67-87)	121 (114-127)	99 (91-111)	98 (49-147)		6		44 (38-55)	H			2				68	52-60
RD2991	IVT-IRFB-E1	74 (69-80)	117 (108-124)	83 (66-99)	94 (66-119)		6		40 (35-48)	H			5	0.01			67	50
RD2992	IVT-IRFB-E4	70 (64-78)	115 (103-125)	96 (89-102)	96 (71-180)		6		38 (34-43)	H							78	52-60
RD2994	IVT-IRFB-E3	70 (64-79)	116 (111-120)	84 (65-100)	99 (40-148)		6		47 (40-55)	H							47	100
UPB1077	IVT-IRFB-E6	76 (67-86)	121 (114-126)	93 (77-105)	90 (65-111)		6		40 (31-48)	H							68	60-70

UPB1080	IVT-IRFB-E7	78 (71-86)	120 (113-128)	91 (85-98)	97 (74-121)		6		41 (34-46)	H						57	50-60
BH 946 (C)	IVT-IRFB-E13	77 (71-86)	121 (111-130)	91 (80-105)	97 (62-148)		6		41 (36-48)	H						68	72-75
DWRB137 (C)	IVT-IRFB-E19	74 (66-87)	116 (106-126)	72 (63-85)	96 (51-149)		6		46 (39-54)	H				0.01		67	50
RD2552 (C)	IVT-IRFB-E16	79 (70-87)	119 (113-124)	86 (75-102)	121 (59-190)		6		41 (37-48)	H				5.0		68	0
RD2786 (C)	IVT-IRFB-E18	74 (63-85)	119 (111-125)	98 (79-111)	95 (44-153)		6		42 (35-49)	H						67	0
RD2899 (C)	IVT-IRFB-E21	78 (68-89)	120 (114-128)	86 (74-96)	102 (65-136)		6		45 (41-52)	H				5		57	0

INITIAL VARIETAL TRIAL-FEED BARLEY (IRRIGATED)-CZ
Location wise& Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Gwalior			Morena			Udaipur			Vijapur			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
BH1023	IVT-IRFB-E17	61.5	14	0	51.7	10	1	51.1	14	0	35.0	16	0	49.8	16	0
BH1024	IVT-IRFB-E20	60.0	16	0	49.2	18	1	41.3	20	0	42.3	12	0	48.2	20	0
DWRB203	IVT-IRFB-E15	63.1	9	0	54.2	6	1	58.4	3	1	48.5	4	0	56.1	3	1
DWRB205	IVT-IRFB-E10	49.0	21	0	50.6	14	1	46.2	18	0	19.8	21	0	41.4	21	0
HUB266	IVT-IRFB-E8	62.9	10	0	51.5	11	1	55.0	8	1	38.6	14	0	52.0	9	0
KB1707	IVT-IRFB-E2	62.7	11	0	56.7	1	1	57.1	4	1	31.6	17	0	52.0	8	0
KB1713	IVT-IRFB-E5	56.1	18	0	49.7	17	1	53.4	11	1	42.7	11	0	50.4	15	0
NDB1709	IVT-IRFB-E11	64.0	5	0	46.5	21	0	53.8	10	1	29.2	18	0	48.4	19	0
NDB1723	IVT-IRFB-E14	62.3	12	0	52.6	7	1	60.5	1	1	28.6	20	0	51.0	12	0
PL906	IVT-IRFB-E9	63.9	6	0	55.1	5	1	57.0	5	1	58.5	1	1	58.6	1	1
PL909	IVT-IRFB-E12	62.0	13	0	46.9	20	0	59.3	2	1	47.4	6	0	53.9	7	0
RD2991	IVT-IRFB-E1	67.1	4	1	50.5	15	1	49.5	15	0	40.4	13	0	51.9	10	0
RD2992	IVT-IRFB-E4	55.3	20	0	52.0	8	1	51.1	13	0	43.6	7	0	50.5	14	0
RD2994	IVT-IRFB-E3	75.8	1	1	50.5	16	1	41.1	21	0	53.3	2	1	55.2	4	1
UPB1077	IVT-IRFB-E6	60.7	15	0	56.5	2	1	56.8	6	1	29.1	19	0	50.8	13	0
UPB1080	IVT-IRFB-E7	55.4	19	0	51.8	9	1	43.3	19	0	43.4	8	0	48.5	18	0
BH 946 (C)	IVT-IRFB-E13	69.9	3	1	56.4	3	1	51.7	12	0	47.7	5	0	56.4	2	1
DWRB137 (C)	IVT-IRFB-E19	71.1	2	1	50.7	13	1	46.8	17	0	50.7	3	0	54.8	5	1
RD2552 (C)	IVT-IRFB-E16	57.8	17	0	47.1	19	1	53.9	9	1	36.0	15	0	48.7	17	0
RD2786 (C)	IVT-IRFB-E18	63.1	8	0	56.4	4	1	55.8	7	1	42.8	10	0	54.5	6	0
RD2899 (C)	IVT-IRFB-E21	63.3	7	0	51.2	12	1	47.3	16	0	43.2	9	0	51.3	11	0
	G.M.	62.2			51.8			51.9			40.6			51.6		
	S.E.(M)	4.1			4.0			3.2			2.4			1.751		
	C.D.	9.9			9.6			7.5			5.6			4.1		
	C.V.	11.5			13.5			10.5			10.1					
	DOS	13.11.18			25.11.2018			23.11.2018			13.11.2018					

INITIAL VARIETAL TRIAL-FEED BARLEY (IRRIGATED)-CZ
Summary of ancillary and disease data

Rabi 2018-19

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS				DISEASE REACTION						
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Range	Two/ Six Row	Grai n Colo ur	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											Y L	BR	BL	L (%)	C (%)	Spot (%)	Leaf Blight	
BH1023	IVT-IRFB-E17	74 (62-82)	118 (110-123)	95 (81-115)	140 (115-167)		6		57 (40-96)	H								5
BH1024	IVT-IRFB-E20	77 (61-95)	111 (102-119)	87 (79-104)	129 (104-134)		6		55 (40-98)	H					C			5
DWRB203	IVT-IRFB-E15	78 (65-94)	115 (108-122)	94 (82-108)	142 (108-159)		6		57 (39-100)	H								5
DWRB205	IVT-IRFB-E10	81 (75-89)	116 (107-123)	95 (85-101)	152 (98-217)		6		53 (36-96)	H								5
HUB266	IVT-IRFB-E8	82 (69-88)	116 (111-123)	93 (88-98)	137 (94-188)		6		59 (41-98)	H								5
KB1707	IVT-IRFB-E2	80 (75-85)	119 (110-125)	99 (79-115)	139 (115-165)		6		55 (38-100)	H								5
KB1713	IVT-IRFB-E5	78 (65-91)	119 (114-123)	87 (79-100)	158 (100-189)		6		59 (44-98)	H					C			5
NDB1709	IVT-IRFB-E11	77 (69-83)	114 (108-122)	98 (88-102)	142 (102-186)		6		55 (38-92)	H								5
NDB1723	IVT-IRFB-E14	74 (63-80)	115 (108-122)	97 (78-120)	168 (120-250)		6		53 (35-90)	H								5
PL906	IVT-IRFB-E9	75 (62-92)	118 (112-124)	83 (69-100)	156 (100-190)		6		61 (44-98)	H					C			5
PL909	IVT-IRFB-E12	77 (67-83)	119 (115-123)	95 (82-117)	167 (117-237)		6		59 (46-95)	H					C			5
RD2991	IVT-IRFB-E1	73 (58-91)	112 (108-120)	93 (79-112)	145 (112-202)		6		64 (45-98)	H					C			5

RD2992	IVT-IRFB-E4	71 (61-80)	114 (108-120)	92 (82-98)	138 (98-158)		6		60 (44-100)	H								5
RD2994	IVT-IRFB-E3	71 (62-88)	114 (106-120)	89 (74-96)	158 (95-250)		6		60 (42-98)	H								5
UPB1077	IVT-IRFB-E6	77 (62-88)	112 (105-121)	86 (78-95)	142 (95-198)		6		54 (30-100)	H								5
UPB1080	IVT-IRFB-E7	79 (59-92)	115 (108-123)	95 (77-112)	145 (100-200)		6		57 (39-100)	H								5
BH 946 (C)	IVT-IRFB-E13	74 (58-91)	115 (108-122)	84 (77-93)	139 (93-189)		6		56 (40-95)	H								5
DWRB137 (C)	IVT-IRFB-E19	70 (60-79)	112 (105-121)	84 (60-139)	158 (139-203)		6		63 (43-96)	H								5
RD2552 (C)	IVT-IRFB-E16	78 (68-91)	117 (111-123)	95 (74-126)	165 (126-203)		6		59 (40-98)	H					c			5
RD2786 (C)	IVT-IRFB-E18	76 (62-91)	117 (108-123)	87 (79-99)	132 (88-154)		6		60 (44-97)	H								5
RD2899 (C)	IVT-IRFB-E21	74 (66-79)	117 (111-123)	95 (78-104)	148 (104-188)		6		60 (44-100)	H					c			5

ADVANCED VARIETAL TRIAL- DUAL PURPOSE BARLEY (IRRIGATED-TIMELY SOWN)-NEPZ
Location wise & Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Varanasi			Faizabad			Kanpur			Sabour			Pusa			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
UPB1074	AVT-DP-IR-TS -E5	15.1	5	0	27.3	5	0	28.1	3	1	22.8	5	0	18.5	5	0	22.3	5	0
AZAD(C)	AVT-DP-IR-TS -E3	26.5	2	0	33.0	4	0	29.0	2	1	29.4	3	0	23.3	3	1	28.2	3	0
DWRB137 (C)	AVT-DP-IR-TS -E1	29.5	1	1	36.8	2	1	24.8	5	0	28.4	4	0	24.0	2	1	28.7	2	1
RD2035(C)	AVT-DP-IR-TS -E4	20.9	4	0	37.8	1	1	25.9	4	0	29.7	2	1	21.5	4	0	27.2	4	0
RD2552 (C)	AVT-DP-IR-TS -E2	24.2	3	0	35.0	3	0	29.7	1	1	31.7	1	1	24.5	1	1	29.0	1	1
	G.M.	23.2			34.0			27.5			28.4			22.4			27.1		
	S.E.(M)	0.7			0.5			0.7			0.8			0.5			0.297		
	C.D. (10%)	1.7			1.1			1.8			2.1			1.4			0.7		
	C.V.	5.9			2.7			5.3			6.0			4.8					
	DOS	20.11.18			13.11.18			21.11.18			25.11.18			20.11.2018					

G at 10 %

ADVANCED VARIETAL TRIAL- DUAL PURPOSE BARLEY(IRRIGATED-TIMELY SOWN)-NEPZ
Location wise & Zonal means (Forage Yield in q/ha)

Rabi 2018-19

Entry	Code	Varanasi			Faizabad			Kanpur			Sabour			Pusa			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
UPB1074	AVT-DP-IR-TS -E5	88.9	5	0	86.2	5	0	82.4	3	0	40.3	5	0	64.0	5	0	88.9	5	0
AZAD (C)	AVT-DP-IR-TS -E3	101.2	2	0	118.1	3	0	82.4	3	0	84.5	2	0	82.9	1	1	101.2	2	0
DWRB137 (C)	AVT-DP-IR-TS -E1	122.2	1	1	126.1	2	1	74.3	5	0	56.8	3	0	81.6	2	1	122.2	1	1
RD2035 (C)	AVT-DP-IR-TS -E4	98.8	3	0	132.6	1	1	96.0	1	1	51.9	4	0	81.3	3	1	98.8	3	0
RD2552 (C)	AVT-DP-IR-TS -E2	98.6	4	0	95.9	4	0	86.1	2	0	95.7	1	1	81.0	4	1	98.6	4	0
	G.M.	101.9			111.8			84.2			65.8			78.2			101.9		
	S.E.(M)	2.9			5.1			1.5			2.4			1.308			2.9		
	C.D. (10%)	7.4			12.8			3.7			6.1			3.1			7.4		
	C.V.	5.8			9.1			3.4			7.4			7.5					
	DOS	20.11.18			13.11.18			21.11.18			25.11.18			20.11.2018					

G at 10 %

ADVANCED VARIETAL TRIAL- DUAL PURPOSE BARLEY (IRRIGATED-TIMELY SOWN)-NEPZ
Summary of ancillary and disease data

Rabi – 2018-19

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS				DISEASE REACTION						
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Me an & Ran ge	Two/ Six Row	Grai n Col our	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											Y L	BR	BL	L (%)	C (%)	Spo t (%)	Leaf Blight	
UPB1074	NHTSZ 1805	135 (132-140)	179 (167-182)	78 (33-90)	142 (68-269)	3	6	A	55 (33-78)	H								
AZAD (C)	NHTSZ 1803	130 (125-135)	177 (165-183)	76 (34-94)	149 (68-274)	4	6	Y	55 (34-76)	H								
DWRB137(C)	NHTSZ 1801	139 (137-144)	181 (169-186)	76 (31-98)	168 (80-334)	4	6	Y	54 (31-76)	H								
RD2035(C)	NHTSZ 1804	137 (131-144)	179 (166-186)	72 (32-91)	163 (76-316)	3	6	Y	52 (32-72)	H								
RD2552(C)	NHTSZ 1802	133 (132-136)	176 (164-182)	82 (40-101)	196 (87-409)	3	2	Y	61 (40-82)	H								

**INITIAL VARIETAL TRIAL/ADVANCED VARIETAL TRIAL- FEED BARLEY (HULLESS)
(IRRIGATED)-NWPZ**

Location wise& Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Karnal			Hisar			Durgapura			Ludhiana			Pantnagar			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
DWRB188	IVT/AVT-IRFB-HL -E1	35	9	0	29.3	2	1	64.9	1	1	19.3	7	0	33.3	3	0	36.4	4	1
DWRB204	IVT/AVT-IRFB-HL -E3	45.6	2	1	27.5	4	1	62.3	3	1	28.6	2	1	24.5	9	0	37.7	2	1
DWRB206	IVT/AVT-IRFB-HL -E2	36.8	7	0	29.6	1	1	55.8	5	0	28.2	3	1	35.8	2	1	37.2	3	1
KB1750	IVT/AVT-IRFB-HL -E5	38.6	5	0	20.9	9	0	55.4	6	0	16.3	9	0	30.7	5	0	32.4	9	0
KB1757	IVT/AVT-IRFB-HL -E7	35.5	8	0	25.7	6	0	56	4	0	22.2	5	0	37.3	1	1	35.3	5	0
PL891	IVT/AVT-IRFB-HL -E9	38.5	6	0	22.7	7	0	49.5	8	0	29	1	1	26.3	8	0	33.2	7	0
UPB1079	IVT/AVT-IRFB-HL . E6	No Germination																	
K1149 (c)	IVT/AVT-IRFB-HL -E4	48.7	1	1	22.4	8	0	54.5	7	0	21.3	6	0	27.1	7	0	34.8	6	0
Karan 16 (C)	IVT/AVT-IRFB-HL -E10	38.7	4	0	28	3	1	64.7	2	1	26.3	4	0	31.4	4	0	37.8	1	1
NDB943 (c)	IVT/AVT-IRFB-HL -E8	40.6	3	0	26.9	5	1	48.6	9	0	18.6	8	0	27.4	6	0	32.4	8	0
	G.M.	39.8			25.9			56.8			23.3			30.4			35.2		
	S.E.(M)	1.3			1.5			2.5			1.0			1.1			0.698		
	C.D. (5 & 10%)	3.2			3.7			6.0			2.3			2.5			1.6		
	C.V. (%)	6.6			11.7			8.7			8.2			6.9					
	DOS	15.11.18			11.11.18			10.11.18			10.11.18			10.11.18					

**INITIAL VARIETAL TRIAL/ADVANCED VARIETAL TRIAL- FEED BARLEY (HULLESS)
(IRRIGATED)-NWPZ**

Summary of ancillary and disease data

Rabi 2018-19

Entry	Code	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS			DISEASE REACTION							
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Ran ge	Two/ Six Row	Grai n Colo ur	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											Y L	BR	BL	L (%)	C (%)	Spo t (%)	Leaf Blight	
DWRB188	IVT/AVT-IRFB-HL -E1	88 (70-101)	134 (129-138)	101 (88-109)	96 (84-160)		6		31 (5-40)	N					10	01	23	
DWRB204	IVT/AVT-IRFB-HL -E3	82 (64-94)	130 (123-136)	99 (93-108)	98 (90-107)		6		38 (36-40)	N						01	23	
DWRB206	IVT/AVT-IRFB-HL -E2	94 (73-107)	134 (127-139)	106 (100-111)	112 (97-132)		6		37 (35-40)	N	2 0					02	23	
KB1750	IVT/AVT-IRFB-HL -E5	84 (66-95)	131 (125-137)	95 (88-106)	113 (105-129)		6		37 (35-42)	N	3 0 S				05	01	34	
KB1757	IVT/AVT-IRFB-HL -E7	96 (73-108)	134 (126-141)	104 (86-127)	115 (90-162)		6		37 (36-39)	N						01	23	
PL891	IVT/AVT-IRFB-HL -E9	92 (74-103)	137 (129-144)	106 (103-110)	118 (107-148)		6		50 (48- 54)	N					20	0	01	
UPB1079	No Germination																	
Karan 16 (C)	IVT/AVT-IRFB-HL -E10	82 (60-94)	134 (126-140)	101 (91-107)	114 (108-127)		6		37 (36-41)	N					05	12	23	
K1149 (c)	IVT/AVT-IRFB-HL -E4	80 (71-87)	129 (124-134)	101 (93-121)	105 (101-113)		6		36 (32-38)	N						04	23	
NDB943 (c)	IVT/AVT-IRFB-HL -E8	82 (67-92)	128 (124-133)	98 (93-104)	123 (89-216)		6		38 (36-40)	N	3 0 S					0	12	

**INITIAL VARIETAL TRIAL/ADVANCED VARIETAL TRIAL- FEED BARLEY HULLESS)
(IRRIGATED)-NEPZ**

Location wise& Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Varanasi			Faizabad			Kanpur			Sabour			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
DWRB188	IVT/AVT-IRFB-HL -E1	33.3	6	0	19.3	9	0	33.7	3	1	29.9	8	0	29.1	8	0
DWRB204	IVT/AVT-IRFB-HL -E3	35.7	4	0	32.0	4	1	34.8	1	1	33.1	5	0	33.9	2	0
DWRB206	IVT/AVT-IRFB-HL -E2	28.9	9	0	23.2	8	0	28.6	6	0	34.0	3	0	28.7	9	0
KB1750	IVT/AVT-IRFB-HL -E5	33.8	5	0	35.3	3	1	25.7	8	0	32.1	6	0	31.7	6	0
KB1757	IVT/AVT-IRFB-HL -E7	30.8	8	0	29.5	7	0	29.7	5	0	26.5	9	0	29.1	7	0
PL891	IVT/AVT-IRFB-HL -E9	33.2	7	0	35.3	2	1	33.5	4	1	30.1	7	0	33.1	3	0
UPB1079	No Germination															
Karan 16 (C)	IVT/AVT-IRFB-HL -E10	38.6	2	1	31.7	5	1	22.1	9	0	37.3	1	1	32.4	4	0
K1149 (c)	IVT/AVT-IRFB-HL -E4	38.6	3	1	30.8	6	1	26.1	7	0	33.6	4	0	32.3	5	0
NDB943 (c)	IVT/AVT-IRFB-HL -E8	41.6	1	1	35.5	1	1	34.4	2	1	34.4	2	0	36.5	1	1
	G.M.	34.9			30.3			29.9			32.3			31.9		
	S.E.(M)	1.5			2.0			1.4			1.0			0.761		
	C.D. (10%)	3.7			4.7			3.5			2.5			1.8		
	C.V. (10%)	8.7			12.9			9.7			6.4					
	DOS	24.11.2018			25.11.18			22.11.18			25.11.18					

**INITIAL VARIETAL TRIAL/ADVANCED VARIETAL TRIAL- FEED BARLEY (HULLESS)
(IRRIGATED)-NEPZ**

Summary of ancillary and disease data

Rabi 2018-19

Entry	Code	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS			DISEASE REACTION							
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Range	Two/ Six Row	Grain Colour	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											YL	BR	BL	L (%)	C (%)	Spot (%)	Leaf Blight	
DWRB188	IVT/AVT-IRFB-HL -E1	83 (78-91)	121 (120-123)	96 (87-106)	120 (57-180)		6		40 (35-45)	N					10		13	10
DWRB204	IVT/AVT-IRFB-HL -E3	79 (72-84)	119 (117-123)	87 (71-100)	95 (56-153)		6		41 (36-48)	N							24	5-10
DWRB206	IVT/AVT-IRFB-HL -E2	87 (80-95)	122 (118-128)	99 (88-110)	106 (72-147)		6		38 (35-41)	N				01		02		50-60
KB1750	IVT/AVT-IRFB-HL -E5	84 (75-91)	122 (116-127)	93 (86-104)	89 (45-139)		6		35 (32-38)	N				0.5		13		40-50
KB1757	IVT/AVT-IRFB-HL -E7	85 (81-92)	122 (120-124)	92 (85-97)	91 (62-142)		6		37 (30-47)	N				0.01		13		10-15
PL891	IVT/AVT-IRFB-HL -E9	87 (78-96)	123 (121-126)	95 (92-99)	119 (80-163)		6		45 (41-49)	N						12		100
UPB1079	IVT/AVT-IRFB-HL -E6	No Germination																
Karan 16 (C)	IVT/AVT-IRFB-HL -E10	78 (72-82)	117 (113-120)	95 (84-105)	99 (64-127)		6		37 (34-39)	N							24	50
K1149 (c)	IVT/AVT-IRFB-HL -E4	76 (70-87)	118 (110-126)	89 (85-94)	112 (91-137)		6		36 (32-40)	N			05	05			35	10-15
NDB943 (c)	IVT/AVT-IRFB-HL -E8	75 (72-80)	115 (110-122)	96 (87-103)	104 (79-158)		6		40 (35-45)	N				05			24	100

**INITIAL VARIETAL TRIAL/ADVANCED VARIETAL TRIAL- FEED BARLEY HULLESS)
(IRRIGATED)-CZ**

Location wise& Zonal means (Grain Yield in q/ha)

Rabi 2018-19

Entry	Code	Gwalior			Morena			Udaipur			Vijapur			Tikamgarh			Pooled		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
DWRB188	IVT/AVT-IRFB-HL -E1	49.4	6	1	38.5	4	0	45.6	4	1	37.9	2	1	53.2	5	0	44.9	4	0
DWRB204	IVT/AVT-IRFB-HL -E3	52.1	3	1	56.3	1	1	46.0	3	1	38.2	1	1	59.0	1	1	50.3	1	1
DWRB206	IVT/AVT-IRFB-HL -E2	43.3	8	0	37.7	6	0	39.3	8	0	20.8	9	0	51.1	7	0	38.4	8	0
KB1750	IVT/AVT-IRFB-HL -E5	57.2	2	1	41.7	3	0	51.6	1	1	35.0	3	1	56.0	2	1	48.3	2	1
KB1757	IVT/AVT-IRFB-HL -E7	44.7	7	0	30.7	9	0	46.1	2	1	26.1	6	0	50.5	8	0	39.6	7	0
PL891	IVT/AVT-IRFB-HL -E9	49.7	5	1	31.5	8	0	44.3	5	0	25.4	8	0	49.0	9	0	40.0	6	0
UPB1079	IVT/AVT-IRFB-HL . E6	No germination																	
Karan 16 (C)	IVT/AVT-IRFB-HL -E10	50.9	4	1	38.4	5	0	36.0	9	0	30.2	5	0	54.1	4	0	41.9	5	0
K1149 (c)	IVT/AVT-IRFB-HL -E4	37.8	9	0	32.4	7	0	39.4	7	0	25.8	7	0	52.4	6	0	37.5	9	0
NDB943 (c)	IVT/AVT-IRFB-HL -E8	57.3	1	1	43.3	2	0	41.8	6	0	30.5	4	0	55.7	3	1	45.7	3	0
	G.M.	49.2			38.9			43.4			30.0			53.4			43.0		
	S.E.(M)	3.6			2.9			2.5			1.4			1.9			1.159		
	C.D. (5 & 10%)	8.8			7.1			6.1			3.4			4.5			2.7		
	C.V.	14.8			15.1			11.6			9.3			6.9					
	DOS	13.11.18			24.11.2018			23.11.2018			13.11.19			12.11.18					

**INITIAL VARIETAL TRIAL/ADVANCED VARIETAL TRIAL- FEED BARLEY HULLESS)
(IRRIGATED)-CZ**

Summary of ancillary and disease data

Rabi 2018-19

Entry	Code	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS			DISEASE REACTION							
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Str. Stn. Mean & Ran ge	Two/ Six Row	Grai n Colo ur	1000 g.w Mean & Range	H/N	RUST			SMUT		Hel. Disease		Aphid
											Y L	BR	BL	L (%)	C (%)	Spo t (%)	Leaf Blight	
DWRB188	IVT/AVT-IRFB-HL -E1	76 (62-86)	112 (107-118)	97 (86-107)	153 (103-228)		6		37 (33-43)	N					C			50
DWRB204	IVT/AVT-IRFB-HL -E3	72 (59-80)	108 (103-114)	86 (66-103)	154 (112-217)		6		37 (32-41)	N								70
DWRB206	IVT/AVT-IRFB-HL -E2	84 (76-88)	111 (108-116)	97 (84-108)	125 (106-166)		6		35 (30-39)	N								80
KB1750	IVT/AVT-IRFB-HL -E5	77 (62-88)	104 (95-117)	90 (82-95)	130 (107-154)		6		34 (31-36)	N								50
KB1757	IVT/AVT-IRFB-HL -E7	84 (70-91)	110 (97-119)	93 (88-97)	137 (121-168)		6		33 (25-41)	N								38
PL891	IVT/AVT-IRFB-HL -E9	81 (63-94)	114 (108-124)	104 (98-111)	169 (139-237)		6		45 (37-51)	N								65
UPB1079	IVT/AVT-IRFB-HL -E6	No germination																
Karan 16 (C)	IVT/AVT-IRFB-HL -E10	74 (57-91)	108 (104-113)	95 (70-116)	134 (112-143)		6		39 (32-46)	N								30
K1149 (c)	IVT/AVT-IRFB-HL -E4	77 (63-91)	111 (103-121)	88 (75-103)	165 (149-186)		6		34 (31-35)	N					C			60
NDB943 (c)	IVT/AVT-IRFB-HL -E8	73 (62-79)	107 (102-113)	95 (86-106)	147 (130-189)		6		39 (35-43)	N								35

IVT-RF- NEPZ
Location wise & Zonal means (Grain Yield in q/ha)

Varieties	Codes	Saini			Varanasi			Kanpur			Faizabad			Sabour			Ranchi			Chianki			CAU PUSA			NEPZ			
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	
DWRB200	IVTRFNEPZ-15	36.41	5	0	19.63	11	0	35.51	4	0	44.87	3	1	33.99	1	1	42.83	2	1	31.92	4	1	39.25	7	0	35.55	3	1	
DWRB202	IVTRFNEPZ-10	34.78	7	0	17.80	15	0	36.59	3	0	27.05	16	0	26.36	6	0	5.79	15	0	33.61	3	1	30.25	12	0	29.49	10	0	
DWRB203	IVTRFNEPZ-11	33.15	11	0	18.33	14	0	26.09	14	0	29.47	14	0	25.59	7	0	0.88	16	0	24.08	13	0	44.26	3	1	28.71	12	0	
HUB265	IVTRFNEPZ-1	27.17	16	0	18.59	12	0	28.08	12	0	35.81	12	0	21.45	14	0	19.84	13	0	30.88	5	0	47.46	1	1	28.66	13	0	
KB1743	IVTRFNEPZ-3	29.35	14	0	24.30	5	0	28.35	11	0	43.06	5	0	33.85	2	1	36.27	4	0	25.78	10	0	40.64	6	0	32.70	5	0	
KB1754	IVTRFNEPZ-5	35.51	6	0	15.13	16	0	34.78	6	0	40.82	8	0	22.68	12	0	8.02	14	0	16.92	15	0	22.46	16	0	26.90	16	0	
KB1762	IVTRFNEPZ-6	36.59	4	0	22.66	7	0	35.14	5	0	27.48	15	0	19.69	16	0	37.66	3	0	26.45	8	0	31.82	10	0	29.69	9	0	
NDB1712	IVTRFNEPZ-4	34.78	7	0	18.59	13	0	26.45	13	0	40.82	9	0	20.91	15	0	22.56	12	0	24.52	12	0	28.56	15	0	27.15	15	0	
NDB1713	IVTRFNEPZ-2	33.51	9	0	21.16	10	0	22.10	16	0	42.57	7	0	22.95	11	0	35.97	5	0	35.32	1	1	44.57	2	1	32.27	6	0	
PL910	IVTRFNEPZ-8	29.53	13	0	25.59	4	0	30.98	8	0	37.74	11	0	27.23	5	0	28.03	11	0	13.66	16	0	28.93	13	0	27.71	14	0	
PL911	IVTRFNEPZ-12	31.34	12	0	21.73	8	0	44.20	1	1	31.46	13	0	25.23	8	0	28.19	10	0	22.27	14	0	28.86	14	0	29.16	11	0	
RD3003	IVTRFNEPZ-13	39.67	3	0	21.23	9	0	43.48	2	1	43.06	6	0	22.04	13	0	44.92	1	1	34.61	2	1	36.64	9	0	35.71	2	1	
RD3004	IVTRFNEPZ-7	28.08	15	0	25.85	3	0	25.36	15	0	46.80	1	1	23.55	10	0	34.93	7	0	24.66	11	0	41.97	5	0	31.40	7	0	
RD3005	IVTRFNEPZ-9	33.51	9	0	23.30	6	0	29.71	9	0	43.18	4	0	24.79	9	0	28.97	9	0	26.40	9	0	31.04	11	0	30.11	8	0	
Lakhan (c)	IVTRFNEPZ-14	40.04	2	0	30.49	1	1	31.16	7	0	39.55	10	0	32.70	3	1	35.82	6	0	30.39	7	0	38.65	8	0	34.85	4	0	
K 603 (c)	IVTRFNEPZ-16	46.56	1	1	29.89	2	1	29.71	9	0	45.29	2	1	31.55	4	0	33.08	8	0	30.82	6	0	43.96	4	1	36.36	1	1	
G.M.		34.38			22.14			31.73			38.69			25.91			27.73			27.02			36.21			30.48			
S.E.(M)		1.82			0.88			1.53			1.44			0.91			2.25			1.87			1.56			0.56			
C.D.		4.32			2.10			3.64			3.41			2.15			5.34			4.43			3.71			1.31			
C.V.		10.59			7.99			9.65			7.42			6.99			16.20			13.81			8.64			30.48			
DOS		03-11-2018			09-11-2018			10-11-2018			02-11-2018			06-11-2018			14-11-2018			10-11-2018			10-11-2018						

Summary of ancillary data

RABI – 2018-19

Sr. No.	Genotype	H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Two/ Six Row	Colour	1000 grain wt. Mean & Range	H/N
1	DWRB200	76 (72-80)	123 (110-133)	77 (64-93)	80 (15-122)	6	Y	47 (40-54)	H
2	DWRB202	77 (72-82)	124 (110-139)	73 (59-83)	81 (15-125)	6	Y	43 (38-51)	H
3	DWRB203	76 (71-81)	125 (108-139)	78 (53-99)	83 (10-146)	6	Y	45 (40-54)	H
4	HUB265	79 (74-85)	125 (114-138)	79 (67-91)	71 (17-110)	6	Y	44 (29-52)	H
5	KB1743	73 (65-78)	122 (108-135)	82 (60-101)	73 (11-121)	6	Y	47 (39-52)	H
6	KB1754	81 (73-87)	125 (110-135)	81 (65-97)	79 (13-132)	6	A	41 (34-45)	HI
7	KB1762	75 (64-82)	122 (110-137)	84 (70-95)	70 (25-113)	6	Y	45 (33-54)	H
8	NDB1712	75 (73-78)	122 (108-133)	75 (63-93)	85 (9-127)	2	Y	50 (39-57)	H
9	NDB1713	74 (66-80)	122 (106-137)	85 (68-94)	80 (10-119)	6	Y	42 (36-46)	H
10	PL910	77 (71-85)	124 (110-134)	78 (64-89)	84 (8-127)	2	Y	48 (35-54)	H
11	PL911	79 (73-88)	123 (109-138)	69 (45-96)	75 (9-123)	6	Y	45 (37-53)	H
12	RD3003	77 (65-92)	123 (108-138)	79 (65-89)	74 (18-128)	6	Y	41 (29-47)	H
13	RD3004	73 (62-79)	122 (101-138)	75 (54-100)	68 (18-138)	6	Y	50 (40-58)	H
14	RD3005	80 (72-88)	125 (106-137)	70 (60-74)	83 (14-117)	6	Y	44 (32-54)	H
15	K 603 (c)	75 (64-81)	123 (108-137)	86 (66-99)	85 (16-129)	6	Y	46 (40-50)	H
16	Lakhan (c)	74 (65-84)	123 (107-134)	88 (70-100)	82 (13-119)	6	Y	45 (37-50)	H

IVT-IR-TS-MB-NWPZ
Location wise & Zonal means (Grain Yield in q/ha)

Varieties	Codes	Bawal			Durgapura			Hisar			SG Nagar			Ludhiana			Pantnagar			Karnal			NWPZ		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
BH1025	IVT-MB-TS-1	59.95	11	0	59.72	6	0	43.71	5	0	88.89	7	0	49.90	12	0	51.86	5	0	63.40	10	0	59.63	8	0
DWRB196	IVT-MB-TS-3	65.56	4	1	55.09	10	0	40.97	7	0	85.57	11	0	66.36	3	0	59.62	1	1	71.88	1	1	63.58	3	0
DWRB197	IVT-MB-TS-5	72.31	1	1	59.26	7	0	40.12	8	0	100.62	1	1	63.79	4	0	58.75	2	1	70.90	3	1	66.54	1	1
DWRB198	IVT-MB-TS-7	62.50	5	0	54.40	11	0	33.64	17	0	86.42	10	0	57.36	6	0	51.62	6	0	71.11	2	1	59.58	9	0
DWRB199	IVT-MB-TS-9	54.54	16	0	50.93	16	0	40.05	9	0	90.12	6	0	53.50	11	0	44.31	14	0	66.67	6	1	57.16	11	0
KB1707	IVT-MB-TS-8	60.60	8	0	63.89	2	0	50.69	2	1	75.31	17	0	79.48	1	1	41.43	16	0	64.83	9	0	62.32	5	0
KB1743	IVT-MB-TS-6	62.36	7	0	61.57	3	0	34.38	16	0	82.41	13	0	46.04	14	0	48.26	10	0	52.99	16	0	55.43	13	0
PL907	IVT-MB-TS-2	53.52	17	0	45.83	17	0	34.65	14	0	77.78	16	0	56.33	9	0	50.35	8	0	55.96	14	0	53.49	16	0
PL908	IVT-MB-TS-4	67.73	3	1	61.34	4	0	50.23	3	1	96.84	2	1	68.42	2	0	44.93	13	0	66.96	5	1	65.21	2	1
RD3007	IVT-MB-TS-13	59.95	11	0	57.41	9	0	36.03	11	0	82.18	14	0	57.36	6	0	43.64	15	0	59.79	11	0	56.62	12	0
RD3008	IVT-MB-TS-11	70.09	2	1	53.24	12	0	35.73	12	0	80.25	15	0	37.29	17	0	51.21	7	0	53.23	15	0	54.43	15	0
RD3009	IVT-MB-TS-15	57.08	15	0	52.08	13	0	34.57	15	0	83.95	12	0	41.15	15	0	40.90	17	0	51.91	17	0	51.66	17	0
RD3010	IVT-MB-TS-17	57.59	14	0	61.11	5	0	34.95	13	0	87.04	9	0	40.38	16	0	45.86	12	0	57.01	13	0	54.85	14	0
BH946(c-6R)	IVT-MB-TS-10	62.36	6	0	70.37	1	1	50.77	1	1	91.13	4	0	62.24	5	0	47.24	11	0	57.78	12	0	63.13	4	0
DWRB101 (c)	IVT-MB-TS-12	60.37	10	0	51.39	15	0	43.52	6	0	87.96	8	0	57.36	6	0	54.19	3	0	65.69	7	0	60.07	7	0
DWRB123 (c)	IVT-MB-TS-14	60.46	9	0	51.62	14	0	40.05	9	0	94.44	3	1	49.13	13	0	52.75	4	0	67.22	4	1	59.38	10	0
RD2849 (c)	IVT-MB-TS-16	59.12	13	0	58.33	8	0	46.99	4	1	91.05	5	0	54.27	10	0	50.03	9	0	64.83	8	0	60.66	6	0
G.M.		61.54			56.92			40.65			87.17			55.31			49.23			62.48			59.04		
S.E.(M)		2.86			2.30			2.09			3.32			1.97			1.53			2.59			0.92		
C.D.		6.79			5.45			4.96			7.88			4.67			3.62			6.14			2.15		
C.V.		9.31			8.07			10.29			7.63			7.12			6.21			8.29					
DOS		17-11-2018			10-11-2018			10-11-2018			14-11-2018			10-11-2018			10-11-2018			13-11-2018					

*Data of Bathinda not included (RMT)

INITIAL VARIETAL TRIAL (TS) MALT BARLEY

ZONE: NWPZ

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS		
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Spike length (cm) Mean & Range	Two/ Six Row	Colour	1000 g.w Mean & Range	H/N
1	BH1025	93 (77-102)	136 (129-145)	102 (77-118)	133 (104-207)	8 (7-9)	2	Y	56 (51-63)	H
2	DWRB196	88 (68-97)	135 (125-143)	102 (83-116)	118 (93-169)	10 (10-11)	2	Y	65 (50-78)	H
3	DWRB197	92 (79-102)	136 (130-143)	90 (73-106)	148 (93-201)	7 (6-9)	2	Y	51 (47-58)	H
4	DWRB198	88 (68-96)	135 (128-144)	93 (79-102)	116 (72-150)	8 (7-10)	2	Y	55 (44-67)	H
5	DWRB199	91 (73-101)	136 (130-143)	97 (84-107)	161 (109-217)	8 (8-9)	2	Y	57 (49-65)	H
6	KB1707	98 (82-105)	136 (126-145)	104 (79-120)	111 (90-145)	9 (8-10)	6	Y	42 (28-54)	H
7	KB1743	82 (67-91)	131 (125-136)	107 (89-118)	99 (80-113)	9 (8-10)	6	Y	47 (40-56)	H
8	PL907	81 (63-94)	131 (125-139)	98 (78-109)	120 (100-184)	10 (9-11)	2	Y	57 (48-62)	H
9	PL908	93 (75-103)	136 (128-144)	106 (92-122)	93 (72-118)	8 (8-8)	6	Y	49 (45-51)	H
10	RD3007	93 (75-103)	135 (129-142)	92 (78-105)	142 (103-126)	8 (7-9)	2	Y	53 (45-59)	H
11	RD3008	82 (67-95)	131 (119-139)	97 (70-110)	157 (111-209)	9 (7-10)	2	Y	49 (44-52)	H
12	RD3009	76 (61-87)	129 (119-140)	93 (75-108)	149 (108-193)	8 (7-9)	2	Y	54 (49-61)	H
13	RD3010	87 (69-95)	133 (128-139)	97 (83-107)	129 (93-228)	9 (9-10)	2	Y	48 (45-52)	H
14	BH946 (c)	90 (69-101)	134 (126-142)	98 (80-117)	107 (88-126)	8 (7-10)	6	Y	44 (38-51)	H
15	DWRB101 (c)	85 (66-95)	134 (126-140)	91 (82-110)	159 (109-201)	8 (6-9)	2	Y	52 (47-57)	H
16	DWRB123 (c)	85 (67-101)	133 (125-139)	91 (67-104)	131 (90-178)	9 (8-10)	2	Y	55 (52-60)	H
17	RD2849 (c)	84 (67-96)	135 (129-143)	93 (76-112)	134 (84-195)	8 (7-9)	2	Y	50 (37-57)	H

AVT-SST
Location wise& Zonal means (Grain Yield in q/ha)

Varieties	Codes	Hisar			Faizabad			Kumher			Dalipnagar			Banasthali			IIVBR, Hisar			Vallabh Nagar			Zonal Mean*		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
DWRB201	AVT-SST-7	38.71	2	1	37.02	3	0	36.12	9	0	42.03	5	0	36.59	10	1	23.82	8	1	45.53	4	1	37.12	3	1
DWRB207	AVT-SST-5	36.29	5	1	32.31	7	0	43.63	5	0	42.75	3	0	38.77	3	1	26.38	4	1	33.04	13	0	36.17	5	0
HUB267	AVT-SST-2	28.74	14	0	33.21	6	0	33.56	10	0	35.51	9	0	37.32	9	1	24.95	7	1	43.14	6	1	33.78	9	0
HUB268	AVT-SST-9	37.86	4	1	31.40	9	0	39.58	7	0	38.77	6	0	36.23	12	1	23.67	10	1	30.31	14	0	33.97	8	0
KB1706	AVT-SST-10	26.45	15	0	25.97	12	0	31.50	12	0	42.75	3	0	38.77	3	1	20.29	15	0	41.06	8	0	32.40	12	0
KB1754	AVT-SST-8	21.92	16	0	36.90	4	0	22.94	15	0	36.96	7	0	38.41	5	1	18.90	16	0	48.13	3	1	32.02	13	0
KB1762	AVT-SST-6	36.11	6	1	31.40	9	0	46.83	2	1	36.23	8	0	38.04	7	1	20.67	14	0	48.91	1	1	36.89	4	1
NDB1708	AVT-SST-4	33.15	9	0	24.76	14	0	45.47	3	1	28.80	15	0	34.78	15	0	25.46	5	1	39.79	10	0	33.18	10	0
RD2999	AVT-SST-3	31.46	13	0	31.10	11	0	43.86	4	0	29.35	13	0	32.61	16	0	20.87	13	0	34.01	11	0	31.89	14	0
RD3000	AVT-SST-12	31.70	12	0	17.57	16	0	36.86	8	0	48.55	2	1	37.68	8	1	25.41	6	1	40.62	9	0	34.06	7	0
RD3002	AVT-SST-14	32.43	11	0	31.88	8	0	21.26	16	0	27.72	16	0	36.59	10	1	23.73	9	1	27.17	16	0	28.68	16	0
NDB1173(c)	AVT-SST-11	32.67	10	0	42.15	2	1	32.81	11	0	28.99	14	0	39.13	1	1	22.66	12	0	41.36	7	0	34.25	6	0
NDB1445(c)	AVT-SST-15	34.78	8	1	42.87	1	1	52.38	1	1	35.51	9	0	35.51	13	1	22.89	11	0	45.47	5	1	38.49	1	1
RD2552(c)	AVT-SST-13	35.81	7	1	24.76	14	0	43.54	6	0	51.09	1	1	39.13	2	1	26.39	3	1	48.33	2	1	38.43	2	1
RD2794(c)	AVT-SST-1	37.92	3	1	25.06	13	0	26.05	14	0	34.24	11	0	38.41	5	1	26.95	2	1	33.57	12	0	31.74	15	0
RD2907(c)	AVT-SST-16	39.73	1	1	35.51	5	0	27.82	13	0	32.61	12	0	35.51	13	1	27.11	1	1	28.56	15	0	32.41	11	0
G.M.		33.48			31.49			36.51			36.99			37.09			23.76			39.31			34.09		
S.E.(M)		2.36			1.16			3.02			1.83			1.61			1.56			2.72			0.81		
C.D.		5.62			2.75			7.17			4.35			3.83			3.70			6.46			1.88		
C.V.		14.13			7.36			16.53			9.90			8.70			13.10			13.85					
DOS		11-11-2018			25-11-2018			24-11-2018			16-11-2018			24-11-2018			23-11-2018			22-11-2018					

ADVANCED VARIETAL TRIAL – Salinity ZONE: NWPZ / NEPZ

Summary of ancillary and disease data

Rabi 2018-19

Sr. No.	Genotype	H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Spike length (cm) Mean & Range	Two/ Six Row	Colour	1000 g.w Mean & Range	H/ N	YR	LB
1	DWRB201	92 (83-104)	132 (118-140)	82 (61-101)	121 (85-157)	8 (7-8)	6	Y	43 (41-48)	H	0	23
2	DWRB207	92 (86-98)	135 (128-144)	83 (64-96)	112 (66-158)	8 (7-9)	6	Y	45 (40-49)	H	0	02
3	HUB267	81 (65-94)	131 (118-141)	90 (70-104)	94 (58-133)	8 (6-9)	6	Y	41 (39-44)	H	0	02
4	HUB268	90 (77-101)	131 (110-145)	99 (88-105)	111 (76-153)	7 (7-8)	6	Y	45 (38-52)	H	0	02
5	KB1706	79 (70-94)	127 (107-136)	84 (65-97)	101 (55-158)	8 (7-9)	6	Y	39 (36-41)	H	0	12
6	KB1754	91 (78-103)	128 (110-142)	93 (64-109)	92 (58-123)	8 (7-9)	6	A	36 (32-39)	HI	0	23
7	KB1762	85 (69-94)	131 (121-140)	92 (70-107)	105 (74-158)	8 (7-9)	6	Y	44 (40-47)	H	0	25
8	NDB1708	90 (82-99)	132 (121-143)	98 (73-109)	102 (63-128)	8 (8-9)	6	Y	41 (38-43)	H	0	02
9	RD2999	82 (67-93)	127 (107-141)	87 (71-96)	97 (70-127)	8 (6-10)	6	Y	41 (37-44)	H	0	35
10	RD3000	78 (65-93)	126 (110-133)	83 (67-91)	100 (57-154)	8 (8-9)	6	Y	45 (38-49)	H	0	02
11	RD3002	81 (71-93)	126 (120-132)	81 (60-93)	101 (68-125)	8 (8-10)	6	Y	47 (43-52)	H	0	45
12	NDB1173 (c)	92 (83-97)	130 (119-142)	92 (66-106)	93 (49-123)	8 (6-10)	6	Y	43 (40-47)	H	20S	23
13	NDB1445 (c)	88 (80-96)	128 (106-143)	90 (74-101)	114 (74-152)	7 (6-8)	6	Y	41 (35-45)	H	0	02
14	RD2552 (c)	91 (84-96)	129 (109-144)	86 (76-95)	112 (64-153)	7 (6-7)	6	Y	42 (32-47)	H	0	23
15	RD2794 (c)	89 (84-97)	131 (120-142)	80 (58-94)	112 (68-144)	8 (7-10)	6	Y	45 (42-51)	H	0	12
16	RD2907 (c)	90 (82-97)	131 (119-140)	91 (69-102)	118 (77-160)	8 (7-9)	6	Y	46 (41-51)	H	0	02

AVT- IR-FB-NEPZ
Location wise& Zonal means (Grain Yield in q/ha)

Varieties	Codes	Varanasi			Faizabad			Kanpur			Ranchi			Sabour			NEPZ		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
RD2969	AVTIRNEPZ-4	24.99	6	0	33.77	5	0	44.11	3	0	43.34	2	1	36.98	2	0	36.64	4	0
DWRB137 (c)	AVTIRNEPZ-5	44.14	1	1	39.81	2	0	38.59	5	0	43.34	1	1	43.04	1	1	41.78	1	1
HUB113 (c)	AVTIRNEPZ-3	33.82	3	0	38.96	3	0	53.62	1	1	41.38	4	1	34.15	4	0	40.39	2	1
K508 (c)	AVTIRNEPZ-6	36.75	2	0	46.21	1	1	42.39	4	0	39.00	5	1	31.21	6	0	39.11	3	0
K1055 (c)	AVTIRNEPZ-2	30.09	4	0	28.26	6	0	52.17	2	1	24.34	6	0	35.01	3	0	33.97	6	0
RD 2552 (c)	AVTIRNEPZ-1	28.25	5	0	37.15	4	0	37.41	6	0	41.84	3	1	32.95	5	0	35.52	5	0
G.M.		33.01			37.36			44.72			38.87			35.56			37.90		
S.E.(M)		1.02			0.76			1.47			2.17			1.12			0.62		
C.D.		2.54			1.87			3.64			5.38			2.77			1.47		
C.V.		6.20			4.05			6.57			11.16			6.29					
DOS		24-11-2018			15-11-2018			21-11-2018			14-11-2018			25-11-2018					

ADVANCED VARIETAL TRIAL -IR-FB-NEPZ

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS		
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Spike length (cm) Mean & Range	Two/ Six Row	Colour	1000 grain wt. Mean & Range	H/N
1	RD2969	75 (68-84)	118 (116-120)	99 (83-109)	119 (72-154)	10 (7-17)	6	LY	42 (34-51)	H
2	DWRB137 (c)	74 (70-80)	117 (111-122)	77 (61-96)	109 (85-158)	9 (6-14)	6	LY	44 (38-53)	H
3	HUB113 (c)	77 (67-88)	121 (117-125)	88 (77-100)	117 (85-151)	10 (7-18)	6	LY	39 (33-49)	H
4	K508 (c)	74 (63-87)	118 (112-122)	86 (81-90)	112 (85-161)	9 (7-16)	6	LY	37 (33-44)	H
5	K1055 (c)	75 (66-85)	119 (115-123)	89 (76-101)	118 (90-159)	10 (7-18)	6	LY	41 (32-50)	H
6	RD 2552 (c)	78 (70-85)	121 (119-124)	87 (83-93)	129 (89-180)	9 (7-17)	6	LY	39 (37-45)	H

AVT-MB-TS
Location wise& Zonal means (Grain Yield in q/ha)

Varieties	Codes	Bawal			Durgapura			Hisar			Ludhiana			Pantnagar			Karnal			Zonal Mean		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
DWRB160*	AVT-MB-TS-3	56.88	4	0	57.64	7	0	48.09	2	1	60.31	1	1	53.49	3	0	63.51	3	1	56.65	1	1
DWRB182	AVT-MB-TS-2	56.20	6	0	53.01	8	0	41.85	6	0	48.23	8	0	49.09	7	0	56.10	5	0	50.75	8	0
DWRB184	AVT-MB-TS-1	56.57	5	0	64.58	3	0	48.18	1	1	54.27	4	0	50.88	5	0	65.07	1	1	56.59	2	1
BH902 (c)	AVT-MB-TS-8	61.11	2	0	68.52	2	1	44.81	4	1	56.97	2	1	53.18	4	0	54.25	7	0	56.47	3	1
DWRB101(c)	AVT-MB-TS-7	53.76	8	0	60.88	5	0	40.96	7	0	50.54	7	0	49.10	6	0	57.08	4	0	52.05	7	0
DWRB123(c)	AVT-MB-TS-6	58.89	3	0	59.95	6	0	45.40	3	1	52.08	6	0	54.85	2	0	54.83	6	0	54.33	6	0
DWRB137(c)	AVT-MB-TS-5	54.68	7	0	71.53	1	1	37.84	8	0	56.20	3	1	47.97	8	0	63.97	2	1	55.36	5	1
RD2849(c)	AVT-MB-TS-4	70.56	1	1	61.11	4	0	43.52	5	0	52.34	5	0	59.58	1	1	51.13	8	0	56.37	4	1
G.M.		58.58			62.15			43.83			53.87			52.27			58.24			54.82		
S.E.(M)		2.57			2.74			1.85			1.82			1.08			1.70			0.83		
C.D.		6.25			6.66			4.49			4.42			2.62			4.13			1.95		
C.V.		8.77			8.81			8.42			6.74			4.12			5.83					
DOS		14-11-2018			10-11-2018			10-11-2018			10-11-2018			10-11-2018			13-11-2018					

ADVANCED VARIETAL TRIAL - (TS) MALT BARLEY

Sr. No.	ENTRY	AGRONOMIC CHARACTERS						GRAIN CHARACTERISTICS		
		H. days Mean & Range	M. days Mean & Range	Height Mean & Range (cm)	Tillering per meter Mean & Range	Spike length (cm) Mean & Range	Two/ Six Row	Colour	1000 g.w Mean & Range	H/ N
1	DWRB160	87 (66-100)	134 (123-144)	99 (86-108)	141 (90-247)	12	2	Y	66 (53-78)	H
2	DWRB182	86 (66-103)	133 (126-142)	86 (68-99)	162 (75-217)	9	2	Y	48 (41-57)	H
3	DWRB184	90 (73-99)	136 (126-143)	84 (70-98)	158 (82-280)	8	2	Y	52 (46-58)	H
4	BH902 (c)	94 (78-103)	137 (127-145)	103 (90-113)	111 (68-146)	10	6	Y	47 (44-52)	H
5	DWRB 101 (c)	85 (67-95)	133 (125-140)	89 (75-101)	153 (89-209)	9	2	Y	49 (44-56)	H
6	DWRB123 (c)	86 (69-104)	133 (127-140)	90 (74-107)	149 (89-268)	9	2	Y	54 (46-60)	H
7	DWRB137 (c)	86 (67-99)	133 (120-144)	83 (68-101)	110 (82-149)	9	6	Y	49 (46-56)	H
8	RD2849 (c)	85 (66-97)	135 (127-140)	95 (85-106)	149 (101-201)	9	2	Y	52 (49-56)	H