

Initial/Advanced Varietal Trial – Rainfed-Feed Barley (IVT/AVT-RF-FB)

Grain yield (q/ha)

Zone: NEPZ

Rabi: 2025-26

Entry Name	Entry code	BISA Samastipur			Burdwan			Kumarganj			Kanpur		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	AVT/IVT-RF-NEPZ -1	20.66	18	0	26.18	1	1	44.28	9	0	34.29	11	0
	AVT/IVT-RF-NEPZ -2	43.05	6	1	21.40	8	1	48.71	7	0	33.08	13	0
	AVT/IVT-RF-NEPZ -3	31.51	14	0	24.40	5	1	26.97	16	0	39.78	4	0
	AVT/IVT-RF-NEPZ -4	38.70	7	0	18.60	14	0	45.09	8	0	43.29	1	1
	AVT/IVT-RF-NEPZ -5	29.91	15	0	25.27	4	1	44.28	9	0	32.61	14	0
	AVT/IVT-RF-NEPZ -6	43.80	5	1	21.06	10	0	53.54	2	1	34.59	10	0
	AVT/IVT-RF-NEPZ -7	38.00	9	0	19.23	13	0	26.41	18	0	30.72	17	0
	AVT/IVT-RF-NEPZ -8	38.67	8	0	21.01	11	0	54.91	1	1	35.70	9	0
	AVT/IVT-RF-NEPZ -9	24.78	17	0	25.65	2	1	50.32	5	0	21.84	18	0
	AVT/IVT-RF-NEPZ -10	43.84	4	1	23.24	6	1	49.92	6	0	30.92	16	0
	AVT/IVT-RF-NEPZ -11	32.62	13	0	6.28	18	0	26.81	17	0	38.36	6	0
	AVT/IVT-RF-NEPZ -12	35.15	12	0	16.81	15	0	51.93	4	1	41.30	3	0
	AVT/IVT-RF-NEPZ -13	47.73	2	1	25.51	3	1	33.41	14	0	36.69	7	0
	AVT/IVT-RF-NEPZ -14	44.89	3	1	22.08	7	1	53.38	3	1	41.76	2	1
	AVT/IVT-RF-NEPZ -15	51.61	1	1	16.71	16	0	39.37	12	0	36.52	8	0
	AVT/IVT-RF-NEPZ -16	35.86	11	0	21.11	9	0	43.96	11	0	38.82	5	0
	AVT/IVT-RF-NEPZ -17	37.90	10	0	13.04	17	0	39.05	13	0	32.13	15	0
	AVT/IVT-RF-NEPZ -18	27.57	16	0	19.28	12	0	33.41	14	0	33.12	12	0
	G.M.	37.01			20.38			42.54			35.31		
	S.E.(M) ±	4.05			2.06			1.28			0.81		
	C.D. (10%)	9.74			4.96			3.09			1.96		
	C.V. (%)	18.93			17.53			5.22			3.99		
	DOS	18-11-2025			12.11.2025			10.11.2025			10.11.25		

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Zone: NEPZ

Rabi: 2025-26

Entry Name	Entry code	Saini			Varnasi			Ranchi			Zonal Means		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	AVT/IVT-RF-NEPZ -1	28.99	15	0	22.61	13	0	44.93	2	1	31.70	11	0
	AVT/IVT-RF-NEPZ -2	30.68	7	1	34.78	1	1	42.03	4	1	36.25	2	1
	AVT/IVT-RF-NEPZ -3	34.54	2	1	21.45	14	0	33.33	13	0	30.28	14	0
	AVT/IVT-RF-NEPZ -4	31.88	5	1	26.09	10	0	47.83	1	1	35.92	3	1
	AVT/IVT-RF-NEPZ -5	28.50	16	0	34.78	1	1	26.09	16	0	31.63	12	0
	AVT/IVT-RF-NEPZ -6	29.95	11	0	24.93	12	0	36.23	11	0	34.87	7	1
	AVT/IVT-RF-NEPZ -7	29.47	12	0	30.72	5	1	32.61	14	0	29.59	16	0
	AVT/IVT-RF-NEPZ -8	24.64	18	0	21.45	14	0	27.54	15	0	31.99	10	0
	AVT/IVT-RF-NEPZ -9	30.19	10	0	32.46	4	1	15.94	18	0	28.74	17	0
	AVT/IVT-RF-NEPZ -10	30.92	6	1	27.25	8	0	44.93	2	1	35.86	4	1
	AVT/IVT-RF-NEPZ -11	32.85	4	1	15.65	18	0	40.58	6	0	27.59	18	0
	AVT/IVT-RF-NEPZ -12	27.05	17	0	16.23	17	0	38.41	8	0	32.41	9	0
	AVT/IVT-RF-NEPZ -13	34.78	1	1	34.20	3	1	42.03	4	1	36.34	1	1
	AVT/IVT-RF-NEPZ -14	33.53	3	1	27.25	9	0	23.91	17	0	35.26	5	1
	AVT/IVT-RF-NEPZ -15	29.28	13	0	30.72	5	1	40.58	6	0	34.97	6	1
	AVT/IVT-RF-NEPZ -16	30.68	7	1	20.29	16	0	37.68	10	0	32.63	8	0
	AVT/IVT-RF-NEPZ -17	29.13	14	0	29.57	7	0	36.23	11	0	31.01	13	0
	AVT/IVT-RF-NEPZ -18	30.68	7	1	26.09	10	0	37.68	9	0	29.69	15	0
	G.M.	30.43			26.47			36.03			32.60		
	S.E.(M) ±	1.72			1.87			2.66			0.86		
	C.D. (10%)	4.14			4.51			6.53			2.01		
	C.V. (%)	9.80			12.27			10.42					
	DOS	11.11.25			17.11.25			20.11.25					

Initial/Advanced Varietal Trial – Rainfed-Feed Barley (IVT/AVT-RF-FB)
Summary of ancillary and diseases data

Zone: NEPZ

Rabi: 2025-26

Name of Entry	Entry code	AGRONOMIC TRAITS							GRAIN TRAITS			DISEASE REACTION						Aphid (1-5)
		Days to Heading	Days to Maturity	Height (cm)	Lodging (%)	Tillers/meter	Two/Six Row	Spike length (cm)	Color (Y,LY,P,A)	Hulled/Hulles (H/N)	1000 Gr. Wt. (gm)	YI	Br	LB	PM (0-9)	Smut (R,Ts,S,HS)	Other Disease	
	AVT/IVT-RF-NEPZ -1	74.86 (60-84)	116 (107-128)	91 (74-113)	21 (0-70)	99(64-128)	6	9 (7-17)	A	H	46(43-48)	-	-	36 (24-47)	2 (2-2)	0	2	2
	AVT/IVT-RF-NEPZ -2	81.15 (69-92)	123 (109-132)	89 (73-109)	25 (0-80)	113(72-132)	6	8 (6-12)	A	H	35(33-41)	-	-	45 (12-67)	2 (2-2)	0	1	1
	AVT/IVT-RF-NEPZ -3	83.24 (67-95)	119 (109-130)	83 (67-102)	23 (0-82)	100(69-132)	6	9 (7-17)	A	H	43(32-52)	-	-	25 (12-27)	12 (0-24)	0	2	2
	AVT/IVT-RF-NEPZ -4	77.91 (60-91)	117 (103-128)	95 (83-109)	25 (0-88)	108(51-204)	6	9 (6-19)	A	H	42(41-44)	-	-	25 (13-36)	12 (0-24)	0	2	2
	AVT/IVT-RF-NEPZ -5	76.91 (60-88)	121 (111-132)	94 (74-119)	24 (0-87)	100(55-144)	6	10 (7-20)	A	H	44(39-48)	-	-	24 (13-25)	1 (0-2)	0	1	1
	AVT/IVT-RF-NEPZ -6	78.39 (60-92)	118 (107-131)	82 (59-107)	25 (0-83)	102(56-144)	2	10 (7-19)	A	H	47(42-52)	-	-	24 (13-35)	0 (0-0)	5	1	1
	AVT/IVT-RF-NEPZ -7	82.2 (69-90)	119 (109-130)	82 (50-104)	22 (0-82)	90(63-108)	6	9 (7-15)	A	H	39(34-47)	-	-	25 (24-26)	0 (0-0)	0	1	1
	AVT/IVT-RF-NEPZ -8	77.53 (60-89)	116 (102-130)	87 (58-104)	22 (0-82)	95(62-109)	6	10 (7-17)	A	H	46(43-52)	-	-	36 (24-48)	2 (2-2)	0	1	1
	AVT/IVT-RF-NEPZ -9	82 (69-89)	120 (110-128)	97 (71-118)	24 (0-80)	83(52-112)	6	10 (6-20)	A	H	44(41-46)	-	-	25 (24-25)	12 (0-24)	0	1	1
	AVT/IVT-RF-NEPZ -10	75.77 (60-90)	118 (103-132)	67 (50-89)	25 (0-85)	106(72-144)	6	7 (0-12)	A	H	45(42-49)	-	-	36 (24-47)	12 (0-24)	0	1	1
	AVT/IVT-RF-NEPZ -11	80.24 (65-90)	120 (105-136)	80 (55-102)	27 (0-87)	80(50-117)	6	9 (7-16)	A	H	42(39-48)	-	-	37 (35-58)	1 (0-2)	0	2	2
	AVT/IVT-RF-NEPZ -12	77.72 (60-95)	118 (105-134)	81 (59-100)	26 (0-88)	105(84-122)	2	10 (7-16)	A	H	46(42-48)	-	-	24 (12-36)	0 (0-0)	0	1	1
	AVT/IVT-RF-NEPZ -13	81.43 (65-95)	118 (110-128)	89 (65-109)	24 (0-87)	94(62-120)	6	8 (6-13)	A	H	38(33-46)	-	-	25 (13-26)	12 (0-24)	0	2	2
	AVT/IVT-RF-NEPZ -14	74.1 (60-84)	117 (102-129)	86 (61-103)	23 (0-77)	91(46-122)	6	10 (7-20)	A	H	43(36-51)	-	-	57 (46-58)	13 (2-24)	0	1	1
	AVT/IVT-RF-NEPZ -15	76.1 (67-90)	118 (105-134)	80 (62-93)	23 (0-83)	95(62-120)	6	9 (7-17)	A	H	45(39-51)	-	-	35 (12-47)	1 (0-2)	0	2	2
	AVT/IVT-RF-NEPZ -16	80.81 (67-96)	119 (108-132)	93 (73-113)	18 (0-60)	89(57-109)	6	10 (7-20)	A	H	45(43-46)	-	-	26 (14-37)	1 (0-2)	0		
	AVT/IVT-RF-NEPZ -17	78.81 (65-90)	118 (105-135)	90 (63-109)	25 (0-88)	84(46-115)	6	10 (8-16)	A	H	49(45-52)	-	-	35 (26-34)	0 (0-0)	0	4	4
	AVT/IVT-RF-NEPZ -18	82.96 (69-93)	118 (105-130)	82 (58-100)	23 (0-85)	87(55-113)	6	9 (7-14)	A	H	43(34-49)	-	-	36 (13-58)	13 (2-24)	0	1	1

Initial/Advanced Varietal Trial – Salinity-Alkalinity (IVT/AVT-SAL/ALK)

Grain yield (q/ha)

Zone: NEPZ-NWPZ

Rabi: 2025-26

Entry Name	Entry Code	Kumarganj			Kanpur			Fatehpur			CSSRI Karnal			IIWBR-Hisar			Pooled Means		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	AVT/IVT-SAL/ALK -1	31.40	8	0	31.09	20	0	35.25	11	0	53.86	1	1	54.20	17	0	41.16	11	0
	AVT/IVT-SAL/ALK -2	20.37	22	0	30.68	21	0	56.85	1	1	39.82	17	0	58.79	15	0	41.30	10	0
	AVT/IVT-SAL/ALK -3	25.04	19	0	34.37	8	0	33.10	15	0	40.67	14	0	59.90	12	0	38.62	18	0
	AVT/IVT-SAL/ALK -4	27.78	16	0	33.37	12	0	49.60	5	0	38.33	20	0	76.09	2	1	45.03	2	1
	AVT/IVT-SAL/ALK -5	30.11	9	0	33.06	15	0	24.65	21	0	46.76	6	0	59.61	13	0	38.84	17	0
	AVT/IVT-SAL/ALK -6	37.36	2	1	33.21	14	0	33.30	13	0	40.43	15	0	79.71	1	1	44.80	3	1
	AVT/IVT-SAL/ALK -7	22.46	21	0	32.73	16	0	33.29	14	0	42.51	13	0	45.46	20	0	35.29	22	0
	AVT/IVT-SAL/ALK -8	25.81	17	0	33.24	13	0	54.92	2	1	48.76	4	1	60.92	11	1	44.73	4	1
	AVT/IVT-SAL/ALK -9	37.40	1	1	33.65	11	0	32.14	16	0	42.69	12	0	59.61	13	0	41.10	12	0
	AVT/IVT-SAL/ALK -10	32.69	5	0	33.82	9	0	33.70	12	0	40.39	16	0	47.58	19	0	37.64	20	0
	AVT/IVT-SAL/ALK -11	30.07	10	0	38.04	3	0	29.75	19	0	35.96	22	0	65.70	5	1	39.90	16	0
	AVT/IVT-SAL/ALK -12	27.98	14	0	31.32	19	0	39.07	8	0	45.78	7	0	44.64	22	0	37.76	19	0
	AVT/IVT-SAL/ALK -13	34.74	4	1	35.87	6	0	43.75	6	0	39.08	18	0	64.64	7	1	43.62	6	1
	AVT/IVT-SAL/ALK -14	25.76	18	0	36.35	5	0	41.92	7	0	45.35	8	0	61.59	9	1	42.20	8	1
	AVT/IVT-SAL/ALK -15	34.94	3	1	29.64	22	0	29.87	18	0	38.92	19	0	50.53	18	0	36.78	21	0
	AVT/IVT-SAL/ALK -16	29.79	11	0	32.42	17	0	25.23	20	0	43.96	11	0	70.63	4	1	40.41	13	0
	AVT/IVT-SAL/ALK -17	28.66	13	0	33.72	10	0	21.73	22	0	44.65	10	0	73.19	3	1	40.39	14	0
	AVT/IVT-SAL/ALK -18	31.48	7	0	31.51	18	0	51.09	4	1	46.89	5	0	65.51	6	1	45.30	1	1
	AVT/IVT-SAL/ALK -19	29.15	12	0	47.27	2	1	36.98	9	0	45.10	9	0	64.59	8	1	44.62	5	1
	AVT/IVT-SAL/ALK -20	23.43	20	0	47.77	1	1	31.88	17	0	49.40	3	1	56.81	16	0	41.86	9	1
	AVT/IVT-SAL/ALK -21	32.29	6	0	34.97	7	0	35.96	10	0	51.40	2	1	61.01	10	1	43.13	7	1
	AVT/IVT-SAL/ALK -22	27.82	15	0	36.64	4	0	51.68	3	1	38.30	21	0	45.17	21	0	39.92	15	0
	G.M.	29.39			34.76			37.53			43.59			60.27			41.11		
	S.E.(M) ±	1.71			0.85			2.29			2.46			7.26			1.65		
	C.D. (10%)	4.43			2.20			5.94			6.39			18.84			3.83		
	C.V. (%)	10.07			4.23			10.57			9.78			20.87					
	DOS	25.11.25			16.11.25			12.11.25			19.11.25			15.11.25					

Initial/Advanced Varietal Trial – Salinity-Alkalinity (IVT/AVT-SAL/ALK)
Summary of ancillary and diseases data

Zone: NEPZ-NWPZ

Rabi: 2025-26

Entry Name	Entry Code	AGRONOMIC TRAITS							GRAIN TRAITS			DISEASE REACTION			APHID (1-5)
		Days to Heading	Days to Maturity	Height (cm)	Lodging (%)	Tillers/ meter	Two/Six Row	Spike length (cm)	Color (Y,L,Y,P,A)	Hulled/ Hulles (H/N)	1000 Gr. Wt (gm)	LB	PM (0-9)	Spot blotch	
	AVT/IVT-SAL/ALK -1	84(71-94)	124(112-133)	85(71-99)	40(0-85)	101(80-120)	6	8(8-9)	A	H	40(37-47)	37	2	0	1
	AVT/IVT-SAL/ALK -2	84(66-100)	124(111-135)	96(67-121)	32(0-92)	99(63-117)	6	9(8-10)	A	H	40(35-46)	45	2	89	1
	AVT/IVT-SAL/ALK -3	86(76-93)	123(114-134)	94(71-115)	37(0-88)	95(56-115)	6	9(8-10)	A	H	39(29-45)	46	2	67	1
	AVT/IVT-SAL/ALK -4	85(78-94)	123(110-137)	94(63-127)	37(0-80)	101(76-108)	6	9(8-10)	A	H	39(37-42)	47	24	89	1
	AVT/IVT-SAL/ALK -5	88(84-98)	126(112-140)	93(77-117)	37(0-88)	107(62-130)	6	8(8-9)	A	H	38(35-41)	36	24	37	1
	AVT/IVT-SAL/ALK -6	83(69-94)	125(109-138)	97(80-117)	40(0-100)	98(59-140)	6	9(8-10)	A	H	43(38-50)	34	0	39	1
	AVT/IVT-SAL/ALK -7	89(78-97)	127(113-139)	90(67-114)	35(0-100)	88(53-110)	6	9(7-10)	A	H	39(33-44)	56	0	27	1
	AVT/IVT-SAL/ALK -8	89(83-97)	125(111-139)	93(67-113)	40(0-62)	96(56-112)	6	8(7-9)	A	H	40(35-45)	47	0	25	1
	AVT/IVT-SAL/ALK -9	89(81-98)	126(114-137)	88(67-117)	30(0-92)	95(70-113)	6	9(7-9)	A	H	40(36-44)	47	0	27	1
	AVT/IVT-SAL/ALK -10	84(72-93)	121(110-134)	92(77-117)	31(0-87)	98(67-125)	6	8(8-9)	A	H	40(34-49)	45	0	89	1
	AVT/IVT-SAL/ALK -11	85(72-93)	123(108-135)	93(72-118)	34(0-87)	92(53-111)	6	8(8-9)	A	H	39(33-49)	25	0	78	1
	AVT/IVT-SAL/ALK -12	84(75-98)	125(110-138)	86(65-102)	29(0-97)	94(47-110)	6	8(7-9)	A	H	40(37-43)	37	24	58	1
	AVT/IVT-SAL/ALK -13	85(79-93)	123(115-132)	90(64-123)	32(0-83)	96(48-115)	6	9(8-11)	A	H	40(36-46)	36	24	89	1
	AVT/IVT-SAL/ALK -14	88(76-96)	127(109-139)	97(66-123)	36(0-90)	93(44-106)	6	9(8-9)	A	H	40(33-44)	25	24	37	1
	AVT/IVT-SAL/ALK -15	86(81-92)	124(111-136)	93(66-129)	36(0-90)	99(60-116)	6	9(8-9)	A	H	40(33-42)	37	24	79	1
	AVT/IVT-SAL/ALK -16	82(76-95)	124(113-136)	91(79-114)	33(0-90)	93(45-111)	6	9(8-9)	A	H	40(35-45)	25	24	57	1

	AVT/IVT-SAL/ALK -17	83(68-93)	126(109-139)	93(69-116)	36(0-75)	98(50-119)	6	8(7-9)	A	H	39(35-45)	46	24	37	1
	AVT/IVT-SAL/ALK -18	87(76-96)	124(112-136)	93(64-119)	32(0-80)	98(60-113)	6	9(7-10)	A	H	40(36-42)	45	0	69	1
	AVT/IVT-SAL/ALK -19	87(81-96)	123(111-136)	94(74-117)	31(0-85)	98(64-138)	6	9(8-10)	A	H	39(30-44)	47	24	0	1
	AVT/IVT-SAL/ALK -20	84(75-93)	124(112-135)	89(62-116)	32(0-82)	89(45-109)	6	9(8-9)	A	H	40(37-43)	45	0	47	1
	AVT/IVT-SAL/ALK -21	86(81-95)	123(109-133)	98(82-124)	27(0-82)	91(50-110)	6	8(8-9)	A	H	40(34-49)	26	24	0	1
	AVT/IVT-SAL/ALK -22	86(81-95)	126(113-136)	99(69-133)	33(0-90)	101(55-123)	6	10(8-11)	A	H	39(32-45)	24	2	59	1

Rejected Trials/location

Initial/Advanced Varietal Trial – Salinity-Alkalinity (IVT/AVT-SAL/ALK)

Rabi: 2025-26

Name of Entry	Entry code	Bhilwara Grain yield (q/ha)		
		Yield	Rk	G
	AVT/IVT-SAL/ALK -1	22.51	22	0
	AVT/IVT-SAL/ALK -2	30.14	18	0
	AVT/IVT-SAL/ALK -3	24.73	21	0
	AVT/IVT-SAL/ALK -4	31.79	16	0
	AVT/IVT-SAL/ALK -5	34.49	11	0
	AVT/IVT-SAL/ALK -6	30.30	17	0
	AVT/IVT-SAL/ALK -7	39.71	4	1
	AVT/IVT-SAL/ALK -8	51.01	1	1
	AVT/IVT-SAL/ALK -9	46.47	2	1
	AVT/IVT-SAL/ALK -10	38.84	5	1
	AVT/IVT-SAL/ALK -11	35.85	9	0
	AVT/IVT-SAL/ALK -12	38.84	5	1
	AVT/IVT-SAL/ALK -13	34.40	12	0
	AVT/IVT-SAL/ALK -14	28.31	19	0
	AVT/IVT-SAL/ALK -15	34.30	13	0
	AVT/IVT-SAL/ALK -16	41.74	3	1
	AVT/IVT-SAL/ALK -17	36.43	8	0
	AVT/IVT-SAL/ALK -18	35.36	10	0
	AVT/IVT-SAL/ALK -19	37.39	7	0
	AVT/IVT-SAL/ALK -20	32.56	15	0
	AVT/IVT-SAL/ALK -21	33.33	14	0
	AVT/IVT-SAL/ALK -22	25.80	20	0
	G.M.	34.74		
	S.E.(M) ±	5.18		
	C.D. (10%)	13.43		
	C.V. (%)	25.81*		
	DOS	12.11.25		

Note: High CV (%)

