

Advanced Varietal Trial - Malt Barley (AVT-MB)

Grain yield (q/ha)

Zone: NWPZ

Rabi: 2025-26

Entry Name	Entry Code	Hisar			Tabiji			Durgapura			Navgaon			Sriganganagar			Modipuram			Bathinda		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	AVT-MB-1	42.24	6	0	62.04	5	0	56.36	6	0	64.59	6	0	49.66	5	0	35.28	6	0	47.67	6	0
	AVT-MB-2	48.77	2	1	59.69	6	0	63.84	4	1	69.19	2	1	67.10	2	1	37.72	4	0	55.65	4	0
	AVT-MB-3	46.48	4	0	70.00	1	1	65.52	2	1	65.66	5	0	70.52	1	1	38.68	3	0	56.90	3	0
	AVT-MB-4	48.46	3	1	63.33	2	0	66.16	1	1	72.12	1	1	59.79	4	0	50.72	1	1	55.65	4	0
	AVT-MB-5	46.44	5	0	62.85	3	0	63.85	3	1	66.02	4	0	48.53	6	0	39.90	2	0	59.27	1	1
	AVT-MB-6	52.44	1	1	62.63	4	0	61.38	5	0	66.04	3	0	65.73	3	0	37.39	5	0	59.23	2	1
	G.M.	47.47			63.42			62.85			67.27			60.22			39.95			55.73		
	S.E.(M) ±	1.85			1.72			1.56			2.15			1.93			0.68			0.92		
	C.D. (10%)	4.60			4.27			3.86			5.32			4.79			1.69			2.29		
	C.V. (%)	7.81			5.43			4.96			6.38			6.41			3.41			3.31		
	DOS	10.11.25			12.11.25			17.11.25			11.11.25			10.11.25			23.11.25			11.11.25		

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Entry Name	Entry Code	Ludhiana			Pantnagar			Bulandshahr			Nagina			Karnal			Bawal			Zonal Means		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	AVT-MB-1	36.04	6	0	55.03	6	0	47.09	5	0	41.28	5	0	40.45	4	0	41.68	4	0	47.65	6	0
	AVT-MB-2	42.50	2	1	63.51	2	0	52.12	2	0	45.79	3	0	47.10	3	0	45.75	3	0	53.75	3	0
	AVT-MB-3	41.41	4	1	57.70	3	0	44.47	6	0	38.23	6	0	34.01	6	0	36.84	6	0	51.26	5	0
	AVT-MB-4	41.77	3	1	55.96	4	0	59.36	1	1	55.77	1	1	53.68	1	1	56.98	1	1	56.90	1	1
	AVT-MB-5	40.21	5	0	68.94	1	1	50.25	4	0	44.00	4	0	39.42	5	0	40.17	5	0	51.53	4	0
	AVT-MB-6	43.02	1	1	55.96	5	0	51.48	3	0	48.81	2	0	48.84	2	0	47.29	2	0	53.86	2	0
	G.M.	40.82			59.52			50.79			45.65			43.92			44.78			52.49		
	S.E.(M) $\pm$	0.88			0.80			2.57			0.43			1.14			0.79			0.41		
	C.D. (10%)	2.18			1.99			6.36			1.07			2.83			1.96			0.96		
	C.V. (%)	4.30			2.69			10.11			1.90			5.21			3.53					
	DOS	11.11.25			14.11.25			19.11.25			10.11.25			11.11.25			18.11.25					

Advanced Varietal Trial - Malt Barley (AVT-MB)

Summary of ancillary and diseases data

Zone: NWPZ

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,I,Y,P,A)	Hulled/Hulles (H/N)	1000 Gr. Wt. (gm)	YI	Br	LB	PM (0 - 9)	Smut (R,Ts,S,HS)	Other Disease	
	AVT-MB-1	84.83 (64-98)	130.68 (112-145)	97 (84-108)	16.67 (0-60)	151.89 (93.5-186)	2 (2-2)	7.75 (6-9)	Y	H	45.9 (35.06-57)	-	-	13 (0-13)	-	S	-	1
	AVT-MB-2	86.03 (66-97.5)	131.85 (111-149)	98 (87-108)	1.17 (0-7)	157.87 (117.25-191)	2 (2-2)	7.54 (6-8.655)	Y	H	52.65 (47-61)	-	-	23 (0-35)	-	R	-	1
	AVT-MB-3	83.83 (63-97)	131.58 (111-148)	103 (91-112)	8.34 (0-25)	138.36 (99.25-182)	2 (2-2)	7.73 (6-9)	Y	H	49.71 (42.61-61)	-	-	13 (0-13)	-	R	-	1
	AVT-MB-4	85.55 (64-97.75)	131.85 (113-149)	96 (81-106)	3.17 (0-10)	161.95 (105.75-195)	2 (2-2)	7.67 (6-8.4)	Y	H	51.87 (46-61)	-	-	13 (0-13)	-	R	-	1
	AVT-MB-5	84.28 (63-97)	132.23 (111-149)	102 (93-110)	7.84 (0-30)	147.08 (105.25-220)	2 (2-2)	7.93 (6.7-9)	Y	H	45.98 (38-52.27)	-	-	13 (0-13)	-	TS	-	1
	AVT-MB-6	85.7 (66-98)	132.23 (112-148)	101 (90-112)	9.84 (0-25)	150.43 (72.6-186)	2 (2-2)	7.91 (7-9.03)	Y	H	49.31 (44-56.4)	-	-	13 (0-13)	-	TS	-	1

Initial Varietal Trial - Malt Barley (AVT-MB)

Zone: NWPZ

Rabi: 2025-26

Entry Name	Entry Code	Hisar			Tabiji			Durgapura			Navgaon			Sriganganagar			Modipuram			Bathinda		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	IVT-MB-1	49.75	17	0	70.92	4	0	58.54	10	0	63.01	21	0	65.32	12	0	34.71	21	0	64.42	2	1
	IVT-MB-2	46.75	21	0	48.50	23	0	48.08	19	0	69.62	15	0	52.06	24	0	35.67	18	0	57.42	12	0
	IVT-MB-3	51.58	13	0	62.17	11	0	61.25	5	1	73.51	5	1	67.88	7	1	39.88	11	0	58.75	6	1
	IVT-MB-4	58.71	3	1	67.42	7	0	59.38	9	0	72.21	10	0	60.06	19	0	45.79	3	1	52.67	19	0
	IVT-MB-5	48.67	19	0	64.75	10	0	41.08	23	0	65.66	19	0	61.97	16	0	38.00	14	0	56.75	14	0
	IVT-MB-6	57.92	4	1	80.08	1	1	55.63	13	0	72.23	9	0	70.71	3	1	36.33	16	0	56.92	13	0
	IVT-MB-7	54.75	8	1	72.25	3	0	57.58	11	0	72.86	8	1	66.49	10	0	40.58	9	0	56.39	15	0
	IVT-MB-9	53.00	11	0	61.00	14	0	50.42	18	0	57.83	23	0	64.10	13	0	47.08	2	1	46.58	22	0
	IVT-MB-10	60.67	2	1	70.25	5	0	65.67	1	1	74.31	3	1	60.78	18	0	48.58	1	1	57.67	9	0
	IVT-MB-11	45.25	22	0	56.83	18	0	54.06	16	0	76.21	2	1	54.45	22	0	40.92	7	0	62.00	3	1
	IVT-MB-12	49.79	16	0	55.58	19	0	57.08	12	0	72.93	6	1	68.61	5	1	34.75	20	0	47.33	21	0
	IVT-MB-13	50.25	14	0	49.75	22	0	61.43	4	1	70.64	14	0	66.96	9	0	35.17	19	0	46.42	23	0
	IVT-MB-14	49.33	18	0	60.17	15	0	65.17	2	1	62.63	22	0	73.10	1	1	38.75	13	0	57.67	10	0
	IVT-MB-15	46.92	20	0	74.08	2	1	45.46	22	0	70.84	13	0	67.13	8	0	43.33	6	0	55.42	17	0
	IVT-MB-16	50.08	15	0	58.42	16	0	52.78	17	0	81.98	1	1	59.99	20	0	45.17	5	0	59.00	4	1
	IVT-MB-17	40.00	24	0	43.25	24	0	60.71	7	1	57.68	24	0	61.52	17	0	30.92	24	0	55.73	16	0
	IVT-MB-18	55.08	7	1	68.67	6	0	61.17	6	1	72.89	7	1	63.52	14	0	37.00	15	0	51.33	20	0
	IVT-MB-19	53.25	10	0	52.75	20	0	46.68	21	0	72.08	11	0	52.62	23	0	32.92	23	0	58.67	7	1
	IVT-MB-20	52.25	12	0	66.92	8	0	47.08	20	0	71.63	12	0	62.34	15	0	39.17	12	0	57.56	11	0
	IVT-MB-21	60.92	1	1	66.58	9	0	54.15	15	0	73.57	4	1	71.63	2	1	45.33	4	1	52.83	18	0
	IVT-MB-22	56.13	5	1	61.58	12	0	59.92	8	0	66.08	18	0	56.29	21	0	35.92	17	0	44.67	24	0
	IVT-MB-23	55.50	6	1	61.25	13	0	64.17	3	1	69.48	16	0	65.77	11	0	40.25	10	0	58.93	5	1
	IVT-MB-24	41.42	23	0	51.67	21	0	38.94	24	0	67.21	17	0	69.63	4	1	33.67	22	0	58.33	8	1
	IVT-MB-25	54.08	9	1	58.42	16	0	54.75	14	0	63.08	20	0	68.44	6	1	40.75	8	0	64.58	1	1
	G.M.	51.75			61.80			55.05			69.59			63.81			39.19			55.75		
	S.E.(M) ±	2.84			3.03			2.26			3.95			2.38			1.40			2.70		
	C.D. (10%)	6.89			7.35			5.48			9.56			5.77			3.40			6.55		
	C.V. (%)	7.76			6.94			5.80			8.02			5.27			5.06			6.85		
	DOS	10..11.25			11.11.25			17.11.25			11.11.25			10.11.25			19.11.25			11.11.25		

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Entry Name	Entry Code	Ludhiana			Pantnagar			Karnal			Bulandshahr			Nagina			Bawal			Zonal Means		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
	IVT-MB-1	50.83	6	0	58.19	11	0	52.16	3	1	62.10	1	1	36.25	24	0	53.96	3	0	55.40	5	0
	IVT-MB-2	55.00	4	0	54.98	17	0	39.86	19	0	52.77	10	0	51.92	6	0	44.17	12	0	50.52	21	0
	IVT-MB-3	46.67	13	0	50.65	21	0	40.64	17	0	41.38	23	0	43.43	18	0	41.54	18	0	52.26	15	0
	IVT-MB-4	59.17	3	1	55.79	15	0	38.74	20	0	43.12	22	0	56.08	3	1	38.54	23	0	54.44	8	0
	IVT-MB-5	38.33	23	0	62.07	6	0	43.32	12	0	47.85	19	0	38.75	21	0	44.25	11	0	50.11	22	0
	IVT-MB-6	47.08	11	0	60.24	7	0	49.69	6	0	54.77	8	1	37.67	22	0	46.79	8	0	55.85	4	0
	IVT-MB-7	42.50	19	0	67.16	4	1	48.43	8	0	54.22	9	1	51.96	5	0	49.25	6	0	56.49	2	0
	IVT-MB-9	50.83	6	0	70.81	1	1	41.78	14	0	51.50	14	0	44.54	15	0	42.75	15	0	52.48	14	0
	IVT-MB-10	44.17	15	0	68.86	3	1	55.55	1	1	58.95	2	1	58.29	1	1	59.29	1	1	60.23	1	1
	IVT-MB-11	44.17	17	0	58.89	10	0	43.93	11	0	58.50	3	1	48.25	11	0	45.29	10	0	52.98	11	0
	IVT-MB-12	42.50	19	0	50.73	20	0	52.13	4	1	55.97	7	1	58.08	2	1	56.08	2	1	53.97	9	0
	IVT-MB-13	48.33	9	0	52.14	18	0	36.81	23	0	52.67	12	0	48.21	12	0	40.17	20	0	50.69	20	0
	IVT-MB-14	48.33	9	0	69.87	2	1	50.93	5	1	52.75	11	0	51.17	7	0	51.58	5	0	56.26	3	0
	IVT-MB-15	33.33	24	0	48.96	24	0	44.01	10	0	45.64	20	0	49.17	9	0	48.13	7	0	51.72	17	0
	IVT-MB-16	47.08	11	0	52.09	19	0	42.00	13	0	49.10	17	0	46.13	14	0	42.08	17	0	52.76	12	0
	IVT-MB-17	46.67	14	0	55.17	16	0	40.31	18	0	37.15	24	0	43.25	19	0	43.46	13	0	47.37	24	0
	IVT-MB-18	51.67	5	0	59.16	9	0	41.59	15	0	47.92	18	0	48.46	10	0	42.21	16	0	53.90	10	0
	IVT-MB-19	40.00	21	0	50.57	22	0	54.68	2	1	56.50	6	1	43.58	17	0	52.96	4	0	51.33	18	0
	IVT-MB-20	60.00	2	1	56.73	12	0	48.05	9	0	57.08	4	1	52.92	4	0	46.71	9	0	55.26	6	0
	IVT-MB-21	63.33	1	1	56.60	13	0	37.43	21	0	45.00	21	0	44.17	16	0	40.96	19	0	54.81	7	0
	IVT-MB-22	43.33	18	0	63.12	5	0	41.57	16	0	56.82	5	1	49.38	8	0	43.29	14	0	52.16	16	0
	IVT-MB-23	44.17	16	0	59.53	8	0	48.80	7	0	51.33	15	0	43.13	20	0	0.00	24	0	50.95	19	0
	IVT-MB-24	40.00	22	0	49.78	23	0	37.38	22	0	52.62	13	0	36.79	23	0	40.08	21	0	47.50	23	0
	IVT-MB-25	50.83	6	0	56.53	14	0	35.98	24	0	50.13	16	0	47.92	13	0	39.71	22	0	52.71	13	0
	G.M.	47.43			57.86			44.41			51.49			47.06			45.79			53.15		
	S.E.(M) ±	3.22			2.02			2.25			3.68			1.14			1.34			0.73		
	C.D. (10%)	7.81			4.89			5.45			8.92			2.76			3.25			1.69		
	C.V. (%)	9.61			4.93			7.16			10.11			3.42			4.14					
	DOS	12.11.25			14.11.25			11.11.25			18.11.25			14.11.25			18.11.25					

Initial Varietal Trial - Malt Barley (AVT-MB)

Summary of ancillary and diseases data

Zone: NWPZ

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,L,Y,P,A)	Hulled/Hulles (H/N)	1000 Gr. Wt. (gm)	YI	Br	LB	PM (0 - 9)	Smut (R,Ts,S,HS)	Other Disease	
	IVT-MB-1	85.25 (69-98)	133.3 (111.5-149)	96 (77-118)	0 (0-0)	155.52 (92.3-227)	2 (2-2)	8 (6-9)	L Y	H	45 (38-53)	-	-	36	-	-	-	1
	IVT-MB-2	88.5 (73-101)	133.05 (110.5-150)	102 (87-123)	0 (0-0)	149.07 (91.5-180)	2 (2-2)	8 (7-9)	L Y	H	47 (41-51)	-	-	13	-	-	-	1
	IVT-MB-3	82.25 (66-97.5)	128.35 (108.5-145)	95 (74-112)	0 (0-0)	146.29 (95.5-205)	2 (2-2)	7 (6-9)	L Y	H	43 (38-48)	-	-	13	-	-	-	1
	IVT-MB-4	85.3 (64-99.5)	132.85 (109.5-150)	101 (82-121)	0 (0-0)	136.5 (56.2-180)	2 (2-2)	8 (7-9)	L Y	H	53 (46-60)	-	-	13	-	-	-	1
	IVT-MB-5	84.4 (63-97)	133.1 (106-151)	101 (74-115)	0 (0-0)	145.95 (96.5-180)	2 (2-2)	8 (7-10)	L Y	H	48 (44-53)	-	-	13	-	-	-	1
	IVT-MB-6	86 (65-98)	132 (109-149)	98 (80-111)	0 (0-0)	139.59 (76-184)	2 (2-2)	7 (6-8)	L Y	H	49 (45-54)	-	-	23	-	-	-	1
	IVT-MB-7	85.15 (65-100)	132.1 (109-150)	101 (88-114)	0 (0-0)	144.52 (96.3-182)	2 (2-2)	8 (7-9)	L Y	H	52 (47-56)	-	-	13	-	-	-	1
	IVT-MB-8	45 (0-96)	90.34 (0-140)	62 (0-96)	0 (0-0)	74.67 (0-118)	2 (2-2)	7 (0-12)	-	-	40 (0-61)	-	-	13	-	-	-	1
	IVT-MB-9	85.6 (65-98)	132.5 (111.5-148)	96 (77-108)	0 (0-0)	132.39 (89.7-185)	2 (2-2)	8 (6-9)	L Y	H	49 (44-57)	-	-	13	-	-	-	1
	IVT-MB-10	85.35 (67-101)	133.85 (111-149)	103 (87-115)	0 (0-0)	150.23 (101-190)	2 (2-2)	8 (7-9)	L Y	H	51 (45-58)	-	-	23	-	-	-	1
	IVT-MB-11	88.75 (69-102)	133.55 (113-149)	100 (77-122)	8.13 (0-50)	150.34 (93.5-195)	2 (2-2)	8 (6-10)	L Y	H	52 (45-63)	-	-	13	-	-	-	1
	IVT-MB-12	84.45 (66-98.5)	133.1 (117.5-148)	97 (81-109)	0 (0-0)	146.3 (114.5-182)	2 (2-2)	8 (7-9)	L Y	H	52 (43-58)	-	-	23	-	-	-	1
	IVT-MB-13	86.55 (69-98)	131.5 (106.5-148)	106 (92-117)	0 (0-0)	146.76 (102.2-206)	2 (2-2)	8 (7-9)	L Y	H	43 (38-50)	-	-	13	-	-	-	1
	IVT-MB-14	79.85 (61-95.5)	130.05 (112.5-142)	101 (75-110)	0 (0-0)	144.26 (88.4-178)	2 (2-2)	8 (7-10)	L Y	H	50 (36-61)	-	-	23	-	-	-	1
	IVT-MB-15	83.2 (64-99)	133.6 (109.5-149)	96 (77-106)	1.88 (0-10)	151.49 (102-225)	2 (2-2)	9 (7-10)	L Y	H	50 (31-60)	-	-	13	-	-	-	1
	IVT-MB-16	85.05 (67-99)	132 (105-149)	104 (84-117)	2.5 (0-20)	132.94 (98.1-175)	2 (2-2)	9 (7-11)	L Y	H	54 (31-62)	-	-	23	-	-	-	1
	IVT-MB-17	90.15 (75-101)	132.8 (112-150)	94 (83-110)	0 (0-0)	145.93 (89.3-200)	2 (2-2)	8 (7-9)	L Y	H	45 (38-53)	-	-	45	-	-	-	1

	IVT-MB-18	82.95 (66-97)	129.3 (111-148)	101 (85-114)	0 (0-0)	146.3 (99-190)	2 (2-2)	9 (7-11)	L Y	H	41 (31-54)	-	-	45	-	-	-	1
	IVT-MB-19	84.9 (63-99.5)	131.5 (108.5-147)	94 (74-108)	1.88 (0-10)	141.48 (70.1-195)	2 (2-2)	8 (7-9)	L Y	H	43 (38-52)	-	-	45	-	-	-	1
	IVT-MB-20	86.4 (67-99.5)	133.25 (109.5-149)	113 (94-133)	0 (0-0)	143.08 (120.5-172)	2 (2-2)	9 (7-10)	L Y	H	48 (43-52)	-	-	13	-	-	-	1
	IVT-MB-21	79.65 (60-95.5)	131.65 (108-147)	94 (78-110)	0.63 (0-5)	144.58 (92-205)	2 (2-2)	8 (6-9)	L Y	H	54 (46-63)	-	-	26	-	-	-	1
	IVT-MB-22	82.5 (64-95.5)	131.35 (110.5-148)	102 (91-116)	0 (0-0)	156.94 (105-196)	2 (2-2)	8 (7-10)	L Y	H	48 (41-55)	-	-	13	-	-	-	1
	IVT-MB-23	77.85 (0-98.5)	131.28 (111-143)	102 (85-121)	0.84 (0-5)	142.85 (103-163)	2 (2-2)	8 (7-10)	L Y		48 (45-53)	-	-	13	-	-	-	1
	IVT-MB-24	88.75 (71-100)	133.7 (109-149)	102 (81-113)	0 (0-0)	149.05 (104-190)	2 (2-2)	8 (7-9)	L Y	H	48 (44-55)	-	-	13	-	-	-	1
	IVT-MB-25	87.3 (69-99)	132.05 (109.5-150)	100 (91-109)	0 (0-0)	147.27 (91.5-227)	2 (2-2)	9 (6-10)	L Y	H	52 (44-60)	-	-	13	-	-	-	1