

Table 2 Agronomic traits of selected advance backcross lines of Osmancik-97 and Halilbey

Line Code	BG	Gen	DTH		Plant height		Tillernumber		FlagLeaf		100 grainweight (g)		PL (cm)		GN (cm)		F(%)	
			14WS	15S	(cm)		(cm)		Length(cm)									
					14WS	15DS	14WS	15DS	14WS	15DS	14WS	15DS	14WS	15DS	14WS	15DS	14WS	15DS
ABL 1	Os	BC ₃ F _{5,6}	51	53	75.83	90.17	16.33	17.00	17.67	22.33	3.97	3.90	14.78	15.78	88.78	97.33	53.72*	88.81
ABL 2	Os	BC ₄ F _{5,6}	55	56	76.00	71.67	10.67*	27.67	20.17	19.67	4.30	3.93	15.56	14.39	98.78	74.55	87.31	84.03
ABL 3	Os	BC ₄ F _{5,6}	55	56	73.67	78.00	14.67	25.33	20.33	22.00	4.47	3.67	15.56	14.89	84.78	94.11	88.57	87.33
ABL 4	Os	BC ₄ F _{5,6}	55	56	75.67	75.00	9.00*	26.00	21.33	18.33	4.20	3.60	15.56	14.83	88.67	98.78	85.33	93.62
ABL 5	Hal	BC ₃ F _{5,6}	55	56	95.33	94.50*	18.00	18.00	23.50	25.00	3.97	3.67	19.94*	19.50*	181.22*	159.89	84.89	91.41
ABL 6	Hal	BC ₃ F _{5,6}	55	56	91.33	97.00*	15.67	18.33	26.00	25.00	4.13	3.30	20.17*	17.83	166.56*	149.67	89.54	87.65
ABL 7	Hal	BC ₃ F _{5,6}	55	56	101.67*	103.33*	14.33	12.67	25.17	21.00	4.40	3.60	20.06*	18.34	114.78	148.56	83.14	86.83
ABL 8	Hal	BC ₃ F _{5,6}	55	56	95.00	100.33*	13.33	23.33	24.33	22.00	4.43	3.90	18.67	17.72	156.67*	138.44	86.75	85.26
ABL 9	Hal	BC ₃ F _{5,6}	55	56	94.50	96.33*	8.67	15.33	25.67	31.67*	4.30	3.70	19.89*	18.00	130.56	125.67	80.88	90.06
ABL 10	Hal	BC ₃ F _{5,6}	55	56	92.33	90.33*	10.33	20.00	24.33	24.00	4.03	3.43	16.61	17.83	71.67*	153.67	73.85	91.21
ABL 11	Hal	BC ₃ F _{5,6}	55	56	90.33	92.00*	11.00	22.33	21.00	22.33	4.50	3.90	19.06*	18.17	104.56	123.00	56.70*	88.65
Os	RP	-	55	56	67.00	71.67	26.00	23.33	26.33	21.67	4.10	3.90	15.00	14.00	87.56	85.44	94.03	86.86
Halilbey	RP	-	55	56	87.33	83.33	20.00	18.67	21.67	21.00	4.20	3.87	16.00	17.5.0	99.11	121.34	90.87	93.29

Note: *=mean value significantly different with respective recurrent parent; *Significance calculated at $p<0.05$; RP= recurrent parent; DTH=days to heading; PH=plant height; TN=tiller number; FLL=flag leaf length; 100GW=hundred grain weight; PL=panicle length; GN= grain number; F=spikelet fertility; BG=background; Gen=generation; Hal=Halilbey; Os=Osmancik-97