



Supplement 1. The mean performance of 8 agronomic traits at Pawe Agricultural Research Center field during the 2019/2020 cropping season.

Trt#	Designation	DH	DM	PH	PL	NFG	NUFG	GY	TSW
1	ART34-82-1-7N-1	96	131	104	22.8	151	12	4369.58	18.4
2	ART34-76-2-8D-2	118	136	107	22.8	171	15	4422.23	21.6
3	ART35-100-1-7D-1	94	136	114	22.8	119	9	8053.10	21.0
4	ART35-200-2-2-B-1	96	130	101	22.8	103	7	8047.33	21.6
5	ART34-86-2-1-B-1	96	130	101	22.8	120	5	7622.01	20.1
6	ART34-88-2-1-B-1	96	133	108	22.8	116	5	10177.81	29.0
7	ART34-113-3-2-B-1	93	133	97.2	22.8	121	4	10090.19	27.1
8	ART34-256-3-1-B-2	92	138	95.8	22.8	119	10	6071.13	22.5
9	ART35-159-1-2-B-1	94	138	108	22.8	100	4	8211.98	21.6
10	ART35-272-1-2-B-1	96	136	110	22.8	109	5	10496.67	22.0
11	ART27-58-7-1-2-2-2-2	97	143	114	22.8	172	27	7302.07	28.9
12	ART27-190-6-4-2-1-1	92	131	99	22.8	104	8	6611.79	25.4
13	ART27-58-7-2-2-3	83	131	103	22.8	84	3	6878.52	33.0
14	ART3-7L9P8-3-B-B-2-1	93	129	98.2	22.8	123	5	5164.90	26.8
15	ART27-58-8-1-2-3	96	130	104	22.8	156	8	6919.20	25.2
16	ART27-122-19-3-1-2-1-1	96	136	97.8	22.8	142	6	6828.35	26.9
17	PCT-11\0\0\2, Bo\2\1>181-9-13-2-M	96	128	89.2	22.8	122	7	5971.71	27.3
18	ART27-122-19-3-1-2-1-1-M	85	130	86.8	22.8	87	4	4280.29	36.1
19	PCT-11\0\0\2, Bo\2\1>181-9-1-3-2-M	99	143	98	22.8	134	7	5914.05	24.6
20	PCT-11\0\0\2, Bo\2\1>46-M-3-4-3-2-M	95	130	86.3	22.8	87	1	4828.43	31.2
21	PCT-11\0\0\2, Bo\2\1>487-1-6-2-3-3-M	97	133	86	22.8	95	10	3272.06	27.9
22	PCT-11\0\0\2, Bo\2\1>82-3-1-1-3-1-M	97	136	87.8	22.8	116	4	5002.25	26.2
23	PCT-11\0\0\2, Bo\2\1>94-1-1-2-1-3-M	96	137	102	22.8	145	7	3004.91	25.0
24	PCT-11\0\0\2, Bo\3\1>1-M-3-1-2-M	91	127	83.4	22.8	82	4	6190.48	25.0
25	PCT-4\0\0\1>295-2-3-1-2-4-M	84	127	84.9	22.8	91	7	6197.93	26.7
26	PCT-4\0\0\1>295-2-6-1-3-2-M	96	128	95	22.8	102	4	5878.70	24.8
27	PCT-4\SA\1\1, Bo\3\1>161-3-2-1-M	93	127	91.6	22.8	107	3	6818.45	26.7
28	PCT-4\SA\5\1>1754-5-1-5-3-1-M	93	129	82	22.8	96	5	5930.95	24.1
29	ARD2-3	83	131	87	22.8	113	5	8696.63	28.8
30	ARD3-1	89	136	82.8	22.8	118	6	7158.77	26.0
31	ARD3-2	79	133	95.2	22.8	104	7	5090.51	31.0
32	ARD3-5	90	133	100	22.8	119	4	5686.20	29.2
33	ARD3-8	84	128	103	22.8	115	6	6515.14	30.2
34	ARD3-9	83	128	98.2	22.8	122	5	8732.36	35.2
35	ARD4-3	83	128	96.4	22.8	77	7	6600.00	31.2
36	ARD5-1	87	126	101	22.8	114	6	7087.75	32.7
37	ARD5-2	83	128	105	22.8	105	4	7657.36	35.3
38	ARD5-3	80	124	83.6	22.8	72	2	6064.56	35.3
39	ARD5-4	83	124	94.2	22.8	69	4	7437.05	27.7
40	ARD5-5	82	123	90.4	22.8	83	8	4616.67	22.5
41	ARD5-7	79	122	82	17.3	80	2	4929.63	29.7
42	ARD5-8	84	127	92.8	19.8	108	8	6098.36	33.7
43	ARD5-9	81	123	90.4	21.1	92	4	8015.37	30.6
44	ARD5-10	83	127	107	22	116	8	6191.03	27.1
45	ARD5-12	80	121	81	17.8	68	2	7347.59	35.5
46	ARD5-13	79	123	92	21.6	108	4	8797.67	27.4
47	TP30567	83	127	90.8	19.3	78	3	7762.19	29.3
48	TP30569	81	125	80	18.8	76	3	7762.97	31.5

Continued supplement 1. The mean performance of 8 agronomic traits at Pawe Agricultural Research Center field during the 2019/2020 cropping season.

Trt#	Designation	DH	DM	PH	PL	NFG	NUFG	GY	TSW
49	TP30570	118	133	78.2	21	101	13	7865.47	27.2
50	TP30531	118	133	72.4	20.4	120	7	7677.71	24.1
51	TP30572	118	132	81	22.6	106	10	6798.45	24.5
52	TP27626	118	127	74	19.8	85	8	7404.70	32.3
53	TP29785	118	138	77	18.2	108	9	2687.44	20.4
54	TP29784	98	138	69.6	20.2	110	10	8088.16	20.4
55	TP29788	99	158	88.2	20.4	120	2	5442.33	21.1
56	TP30573	97	126	93	20	112	1	6088.65	29.4
57	TP30574	92	125	85.2	19.8	107	3	5469.77	22.1
58	TP30575	100	131	79.2	19.8	99	4	6212.09	21.6
59	TP30576	100	131	70	17.8	79	4	5941.84	22.9
60	TP30577	97	133	60.8	17.6	91	10	4326.20	25.3
61	TP30244	100	138	82.8	22.2	115	6	5474.98	24.1
62	TP30243	99	137	73.6	20.4	80	5	7283.72	23.3
63	TP30578	100	138	75	19.2	95	5	7005.55	29.0
64	TP30579	95	122	82.2	20.4	100	4	6604.93	33.6
65	TP30580	99	122	86.4	17.7	106	6	5291.43	25.4
66	TP30457	100	140	72	19	103	4	6927.62	25.0
67	TP30458	107	143	70.8	20.2	102	6	5160.56	21.1
68	TP30581	104	138	74	18.4	90	5	6891.08	26.7
69	TP30583	100	139	72.6	18.2	92	9	5234.47	23.4
70	TP30584	108	144	75.2	20.4	87	3	7126.33	25.6
71	TP30585	104	132	81.6	18.4	85	7	8271.32	27.6
72	TP30586	102	126	73.4	20.4	91	7	7672.25	23.8
73	TP30587	97	130	78.4	20.6	114	5	8777.57	23.7
74	TP30589	97	127	78	20.2	102	7	8963.74	22.0
75	TP30590	97	127	68	21	77	4	7889.64	24.8
76	TP30592	98	129	59.4	17	99	7	8104.70	26.0
77	TP30593	99	129	62	19.4	95	7	7821.41	23.2
78	TP30594	99	128	69.8	23	102	8	6338.43	22.6
79	TP30595	100	130	58	17.6	100	8	5652.30	23.7
80	TP30596	100	129	63	19	106	6	6825.64	28.0
81	TP22966	97	127	55.8	16.2	96	6	5746.67	20.0
82	TP12158	97	128	73.6	20	103	8	7502.09	22.4
83	TP19122	100	134	77.8	19.8	118	8	8899.22	22.9
84	TP9897	100	133	70.2	19.6	90	3	7567.09	27.8
85	TP19187	100	131	90	19.6	139	4	7503.53	26.9
86	TP4748	108	143	73.4	20.6	106	4	4376.12	26.6
87	TP21016	112	148	95.2	18.6	105	3	6724.48	20.5
88	TP8396	113	143	88	21	121	2	6852.57	25.1
89	TP2315	83	119	88	19.6	73	4	5250.98	23.6
90	TP22968	100	127	63.2	18	86	4	7685.77	19.8
91	YAAS-U1	109	139	94.4	22.6	140	7	5218.95	22.4
92	YAAS-U2	84	117	67.2	17.1	67	12	2489.10	27.3
93	YAAS-U3	102	138	71.8	18.2	86	4	6011.51	21.4
94	YAAS-U4	102	136	65.4	18.6	94	3	4555.33	24.8
101	Adet-1	87	123	89.2	21.52	113	6	7456.06	25.28
102	NERCA-4	82	125	87.6	20.8	110	7	6817.56	30.27
103	Fogera-1	82	122	83.2	21	108	5	5878.74	26.48

Trt#= treatment number, DH= days to 50% heading, DM= days to 85% maturity, PH= plant height in cm, PL= panicle length (cm), NFG= number of filled grains per a panicle of the central rice tiller, NUFG= number of unfilled grains per panicle of the central rice tiller, GY= grain yield (kg^h⁻¹), TSW= 1000 seed weight (gm).