SUPPLEMENTARY MATERIALS / ПРИЛОЖЕНИЕ

Table S1. Effects of different factors on the weight of 1000 seeds, and linear parameters of seeds according to the Kruskal–Wallis *H* test

Таблица П1. Влияние различных факторов на массу 1000 зерен и линейные параметры зерна, оцененное с помощью *H*-критерия Краскела-Уоллиса

Factor	Dataset	Weight of 1000 seeds	Length	Width	Area
Growth conditions (field *vs* greenhouse)	i:Bw*Blp1*+Bowman	yes	no	yes	no
	i:Bw*Blp1*	yes	no	yes	no
	Bowman	yes	no	no	no
Year (in field)	i:Bw*Blp1*+Bowman	yes	yes	yes	yes
	i:Bw*Blp1*	yes	yes	yes	yes
	Bowman	yes	yes	yes	yes
Year (in greenhouse)	i:Bw*Blp1*+Bowman	no	no	no	no
	i:Bw*Blp1*	no	no	no	no
	Bowman	yes	no	no	no
Genotype (Bowman *vs* i:Bw*Blp1*)	Field+ Greenhouse	no	no	yes	no
	Field	yes	no	yes	no
	Greenhouse	no	no	no	no
	Greenhouse S	no	no	yes	no
	Greenhouse A	no	no	no	no

Note: The preliminary data are presented in Tables S10 – S13; A: autumn; S: spring
Приложение: Исходные данные представлены в Таблицах П10 – П13; A: осенняя вегетация; S: весенняя вегетация

Table S2. Comparison of the weight of 1000 seeds harvested from the ‘Bowman’ and i:Bw*Blp1* plants grown under field conditions with those grown in the greenhouse

Таблица П2. Сравнение массы 1000 зерен сорта ‘Bowman’ и линии i:Bw*Blp1*, выросших в полевых и тепличных условиях

Bowman	Field

		2015	2016	2017	2018	2019	2020
Greenhouse	2015S	1.25*	1.24*	1.20*	1.05*	1.00	1.02*
	2016A	1.08*	1.08*	1.05*	0.91*	0.88*	0.88*
	2018S	1.31*	1.31*	1.28*	1.11*	1.06*	1.08*
	2018A	1.26*	1.26*	1.23*	1.06*	1.02	1.03*
	2019S	1.28*	1.27*	1.24*	1.08*	1.03*	1.05*
	2019A	1.62*	1.62*	1.58*	1.37*	1.31*	1.33*
	2020S	1.19*	1.19*	1.16*	1.00	0.96*	0.97
	2020A	1.55*	1.55*	1.51*	1.31*	1.25*	1.27*

Summary (Total cases / F > G / G > F / F = G): 48 / 40 / 4 / 4

i:Bw*Blp1*		Field					
		2015	2016	2017	2018	2019	2020
Greenhouse	2015S	1.18*	1.11	1.25*	1.04	0.99	1.04
	2016A	1.28*	1.22*	1.38*	1.15*	1.10*	1.15*
	2018S	1.21*	1.15*	1.28*	1.08*	1.03*	1.08*
	2018A	1.12*	1.07*	1.21*	1.00	0.96*	1.01
	2019S	0.99	0.95	1.07*	0.89*	0.85*	0.89*
	2019A	1.35*	1.28*	1.45*	1.20*	1.15*	1.21*
	2020S	1.18*	1.12*	1.28*	1.05*	1.01	1.06*
	2020A	1.19*	1.14*	1.28*	1.06*	1.02*	1.07*

Summary (Total cases / F > G / G > F / F = G): 48 / 35 / 4 / 9

Note: ratio F / G is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; F: field; G: greenhouse; S: spring
Приложение: показано отношение F / G; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; F: поле; G: теплица; S: весенняя вегетация

Table S3. Comparison of the weight of 1000 seeds harvested from the 'Bowman' plants with those harvested from the i:Bw*Blp1* **plants grown under field conditions and in the greenhouse**

Таблица П3. Сравнение массы 1000 зерен между сортом 'Bowman' и линией i:Bw*Blp1*, выросших в полевых и тепличных условиях

Field		Bowman					
		2015	2016	2017	2018	2019	2020
i:Bw*Blp1*	2015	1.11*	1.11*	1.08*	0.94*	0.89*	0.91*
	2016	1.16*	1.16*	1.13*	0.98	0.93*	0.95
	2017	1.03*	1.03*	1.00	0.87*	0.83*	0.84*
	2018	1.24*	1.24*	1.20*	1.05*	1.00	1.01
	2019	1.29*	1.29*	1.26*	1.09*	1.04*	1.06*
	2020	1.24*	1.23*	1.20*	1.04*	1.00	1.01

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 22 / 7 / 7

Greenhouse		Bowman							
		2015S	2016A	2018S	2018A	2019S	2019A	2020S	2020A
i:Bw*Blp1*	2015S	1.03	1.19*	0.98	1.02	1.01	0.79*	1.08	0.83*
	2016A	1.14*	1.31*	1.08*	1.13*	1.11*	0.87*	1.19*	0.92*
	2018S	1.07*	1.24*	1.02	1.06*	1.05*	0.82*	1.12*	0.86*
	2018A	1.00	1.15*	0.95*	0.99	0.97*	0.77*	1.05*	0.80*
	2019S	0.88*	1.02	0.84*	0.87*	0.86*	0.68*	0.93*	0.71*
	2019A	1.20*	1.38*	1.13*	1.18*	1.17*	0.92*	1.25*	0.96*
	2020S	1.05*	1.21*	0.99	1.04	1.02	0.80*	1.10*	0.84*
	2020A	1.06*	1.22*	1.00	1.04*	1.03*	0.81*	1.11*	0.85*

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 64 / 28 / 23 / 13

Note: ration Bowman / i:Bw*Blp1* is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; S: spring
Приложение: показано отношение Bowman / i:Bw*Blp1*; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; S: весенняя вегетация

Table S4. Comparison of the length of seeds harvested from the 'Bowman' and i:Bw*Blp1* **plants grown under field conditions with those grown in the greenhouse**

Таблица П4. Сравнение длины зерен сорта 'Bowman' и линии i:Bw*Blp1*, выросших в полевых и тепличных условиях

Bowman	Field					
	2015	2016	2017	2018	2019	2020

Greenhouse	2018S	1.01	1.05	1.05	1.33*	1.23*	1.13*
	2018A	0.95	0.99	0.95	1.26*	1.17*	1.07
	2019S	0.94*	0.98	0.94*	1.24*	1.15*	1.06
	2019A	0.97	1.01	0.97	1.28*	1.19*	1.09*
	2020S	0.90	0.90	0.90	1.19*	1.10*	1.01
	2020A	0.96	1.00	0.97	1.27*	1.18*	1.08*

Summary (Total cases / F > G / G > F / F = G): 36 / 15 / 2 / 19

i:Bw*Blp1*		Field					
		2015	2016	2017	2018	2019	2020
Greenhouse	2018S	0.95	0.96	1.01	1.16*	1.08*	1.01
	2018A	0.89*	0.90*	0.94*	1.08*	1.01	0.94*
	2019S	0.80*	0.81*	0.85*	0.98	0.92*	0.85*
	2019A	0.98	0.99	1.05	1.20*	1.12*	1.04
	2020S	0.84*	0.96*	1.00	1.15*	1.10*	1.00
	2020A	0.98	0.99	1.04	1.20*	1.12*	1.04

Summary (Total cases / F > G / G > F / F = G): 36 / 17 / 3 / 16

Note: ratio F / G is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; F: field; G: greenhouse; S: spring
Приложение: показано отношение F / G; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; F: поле; G: теплица; S: весенняя вегетация

Table S5. Comparison of the length of seeds harvested from the 'Bowman' plants with those harvested from the i:Bw*Blp1* **plants grown under field conditions and in the greenhouse**

Таблица П5. Сравнение длины зерен между сортом 'Bowman' и линией i:Bw*Blp1*, выросших в полевых и тепличных условиях

Field		Bowman					
		2015	2016	2017	2018	2019	2020
i:Bw*Blp1*	2015	0.99	1.03	0.99	1.30*	1.21*	1.11*
	2016	0.98	1.02	0.98	1.29*	1.20*	1.10*
	2017	0.93*	0.97	0.93*	1.23*	1.14*	1.05*

	2018	0.81*	0.84*	0.81*	1.07*	0.99	0.91*
	2019	0.87*	0.90*	0.87*	1.14*	1.06*	0.97
	2020	0.93	0.97	0.94	1.23*	1.14*	1.05

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 14 / 9 / 12

Greenhouse		Bowman					
		2018S	2018A	2019S	2019A	2020S	2020A
i:Bw*Blp1*	2018S	0.93	0.98	1.00	0.96	1.04	0.97
	2018A	0.87*	0.92*	0.93*	0.90*	0.97	0.91*
	2019S	0.79*	0.83*	0.84*	0.82*	0.88*	0.82*
	2019A	0.96	1.02	1.03	1.00	1.08	1.01
	2020S	0.93	0.98	0.99	0.96	1.04	0.97
	2020A	0.96	1.02	1.03	1.00	1.08	1.01

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 0 / 11 / 25

Note: ratio Bowman / i:Bw*Blp1* is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; S: spring
Приложение: показано отношение Bowman / i:Bw*Blp1*; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; S: весенняя вегетация

Table S6. Comparison of the width of seeds harvested from the 'Bowman' and i:Bw*Blp1* plants grown under field conditions with those grown in the greenhouse

Таблица П6. Сравнение ширины зерен сорта 'Bowman' и линии i:Bw*Blp1*, выросших в полевых и тепличных условиях

Bowman		Field					
		2015	2016	2017	2018	2019	2020
Greenhouse	2018S	1.03	0.99	0.95	1.10	1.02	1.08
	2018A	0.98	0.94	0.90	1.05	0.97	1.02
	2019S	0.95*	0.90*	0.87*	1.01	0.94*	0.99
	2019A	1.02	0.97	0.93	1.07*	1.01	1.06
	2020S	0.95	0.91	0.88*	1.02	0.94	0.99
	2020A	1.02	0.98	0.94*	1.09*	1.01	1.07*

Summary (Total cases / F > G / G > F / F = G): 36 / 3 / 6 / 27

i:Bw*Blp1*		Field					
		2015	2016	2017	2018	2019	2020
Greenhouse	2018S	0.90*	0.93*	0.95*	1.01	0.98	1.01
	2018A	0.84*	0.85*	0.87*	0.92*	0.90*	0.93*
	2019S	0.87*	0.88*	0.91*	0.96*	0.93*	0.96
	2019A	0.99	1.01	1.04	1.09*	1.07	1.10*
	2020S	0.91*	0.92*	0.94	1.00	0.97	1.00
	2020A	0.95*	0.97	0.99	1.05	1.02	1.05

Summary (Total cases / F > G / G > F / F = G): 36 / 2 / 17 / 17

Note: ratio F / G is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; F: field; G: greenhouse; S: spring
Приложение: показано отношение F / G; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; F: поле; G: теплица; S: весенняя вегетация

Table S7. Comparison of the width of seeds harvested from the ‘Bowman’ plants with those harvested from the i:Bw*Blp1* plants grown under field conditions and in the greenhouse

Таблица П7. Сравнение ширины зерен между сортом ‘Bowman’ и линией i:Bw*Blp1*, выросших в полевых и тепличных условиях

Field		Bowman					
		2015	2016	2017	2018	2019	2020
i:Bw*Blp1*	2015	1.12*	1.07*	1.03*	1.20*	1.11*	1.17*
	2016	1.10*	1.05*	1.01	1.18*	1.09*	1.15*
	2017	1.07*	1.03	0.98	1.15*	1.06*	1.12*
	2018	1.01	0.97	0.93*	1.09*	1.01	1.06*
	2019	1.04	0.99	0.95*	1.11*	1.03	1.08*
	2020	1.01	0.97	0.93*	1.08*	1.00	1.06

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 20 / 3 / 13

Greenhouse	Bowman

		2018S	2018A	2019S	2019A	2020S	2020A
i:Bw*Blp1*	2018S	0.99	1.04	1.08*	1.00	1.07	1.00
	2018A	0.91	0.96	0.99	0.92*	0.98	0.92*
	2019S	0.94	0.99	1.03	0.95	1.02	0.95*
	2019A	1.08	1.13	1.17*	1.09	1.17*	1.09*
	2020S	0.98	1.03	1.07*	0.99	1.06	0.99
	2020A	1.03	1.09	1.13*	1.05	1.12*	1.04

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 8 / 2 / 26

Note: ratio Bowman / i:Bw*Blp1* is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; S: spring
Приложение: показано отношение Bowman / i:Bw*Blp1*; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; S: весенняя вегетация

Table S8. Comparison of the area of seeds harvested from the 'Bowman' and i:Bw*Blp1* plants grown under field conditions with those grown in the greenhouse

Таблица П8. Сравнение площади зерен сорта 'Bowman' и линии i:Bw*Blp1*, выросших в полевых и тепличных условиях

Bowman		Field					
		2015	2016	2017	2018	2019	2020
Greenhouse	2018S	1.03	1.04	0.97	1.46*	1.25*	1.22
	2018A	0.93	0.94	0.87	1.31*	1.13	1.10
	2019S	0.91*	0.92*	0.85*	1.28*	1.10*	1.07
	2019A	1.00	1.01	0.94	1.41*	1.21*	1.18*
	2020S	0.85	0.85	0.79	1.19*	1.03	1.00
	2020A	0.87	0.88	0.82	1.23*	1.06*	1.03*

Summary (Total cases / F > G / G > F / F = G): 36 / 12 / 3 / 21

i:Bw*Blp1*		Field					
		2015	2016	2017	2018	2019	2020
Greenhouse	2018S	0.88*	0.90	0.97	1.17*	1.07	1.02
	2018A	0.75*	0.76*	0.82*	0.99	0.91*	0.87*
	2019S	0.71*	0.72*	0.78*	0.94*	0.86*	0.82*

	2019A	0.98	1.00	1.08	1.30*	1.19*	1.14
	2020S	0.86*	0.88*	0.95	1.15*	1.05	1.00
	2020A	0.93	0.96	1.03	1.24*	1.14	1.09

Summary (Total cases / F > G / G > F / F = G): 36 / 6 / 12 / 17

Note: ratio F / G is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; F: field; G: greenhouse; S: spring)
Приложение: показано отношение F / G; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; F: поле; G: теплица; S: весенняя вегетация

Table S9. Comparison of the area of seeds harvested from the 'Bowman' plants with those harvested from the i:Bw*Blp1* **plants grown under field conditions and in the greenhouse**

Таблица П9. Сравнение площади зерен между сортом 'Bowman' и линией i:Bw*Blp1*, выросших в полевых и тепличных условиях

Field		Bowman					
		2015	2016	2017	2018	2019	2020
i:Bw*Blp1*	2015	1.08*	1.10*	1.02	1.53*	1.32*	1.28*
	2016	1.06*	1.07	0.99	1.49*	1.29*	1.25*
	2017	0.98	0.99	0.92*	1.38*	1.19*	1.16*
	2018	0.82*	0.82*	0.77*	1.15*	0.99	0.96
	2019	0.89*	0.90*	0.84*	1.25*	1.08	1.05
	2020	0.93	0.94	0.88	1.32*	1.13*	1.10

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 16 / 7 / 13

Greenhouse		Bowman					
		2018S	2018A	2019S	2019A	2020S	2020A
i:Bw*Blp1*	2018S	0.92	1.03	1.05	0.95	1.09	0.95
	2018A	0.78*	0.87*	0.89*	0.81*	0.93	0.81*
	2019S	0.74*	0.82*	0.84*	0.76*	0.88*	0.76*
	2019A	1.03	1.14	1.17*	1.06	1.22	1.06
	2020S	0.90	1.01	1.03	0.93	1.07	0.93
	2020A	0.98	1.09	1.12	1.01	1.16	1.01

Summary (Total cases / Bw > Blp / Blp > Bw / Bw = Blp): 36 / 1 / 11 / 24

Note: ratio Bowman / i:Bw*Blp1* is shown; *a significant difference at $p \leq 0.05$, *U* test; A: autumn; S: spring
Приложение: показано отношение Bowman / i:Bw*Blp1*; * различия значимы при $p \leq 0.05$, *U*-критерий Манна-Уитни; A: осенняя вегетация; S: весенняя вегетация

Table S10. Effects of different factors on the weight of 1000 seeds according to the Kruskal–Wallis *H* test

Таблица П10. Оценка влияния различных факторов на массу 1000 зерен с помощью *H*-критерия Краскела-Уоллиса

Factors	**Group**	**Group Size**	**Sum of Ranks**	**df**	***H***	***p*-value**	**Significant**
Growth conditions	field	36	2129.0	1	29.32	0.0000	yes
	greenhouse	48	1441.0				
Growth conditions, Bowman	field	18	553.0	1	17.82	0.0000	yes
	greenhouse	24	350.0				
Growth conditions, i:Bw*Blp1*	field	18	532.5	1	13.69	0.0002	yes
	greenhouse	24	370.5				
Year, field	2015	6	167.0	5	26.63	0.0001	yes
	2016	6	156.5				
	2017	6	165.5				
	2018	6	78.5				
	2019	6	28.5				
	2020	6	70.0				
Year, field, Bowman	2015	6	46.5	5	15.90	0.0071	yes
	2016	6	46.0				
	2017	6	33.5				
	2018	6	24.0				

	2019	6	6.5				
	2020	6	14.5				
Year, field, i:Bw*Blp1*	2015	6	39.5	5	15.47	0.0085	yes
	2016	6	34.5				
	2017	6	51.0				
	2018	6	18.5				
	2019	6	6.0				
	2020	6	21.5				
Year, greenhouse	2015	6	177.0	4	2.69	0.6117	no
	2016	6	172.0				
	2018	12	313.0				
	2019	12	248.0				
	2020	12	266.0				
Genotype, field	Bowman	18	401.0	1	4.63	0.0314	yes
	i:Bw*Blp1*	18	265.0				
Genotype, greenhouse	Bowman	24	630.0	1	0.75	0.3863	no
	i:Bw*Blp1*	24	546.0				
Genotype, greenhouse, autumn	Bowman	12	145.0	1	0.08	0.7725	no
	i:Bw*Blp1*	12	155.0				
Genotype, greenhouse, spring	Bowman	12	165.0	1	0.75	0.3861	no
	i:Bw*Blp1*	12	135.0				

Table S11. Effects of different factors on the length of seeds according to the Kruskal–Wallis *H* test

Таблица П11. Оценка влияния различных факторов на длину зерна с помощью *H*-критерия Краскела-Уоллиса

Factors	Group	Group Size	Sum of Ranks	df	*H*	*p*-value	Significant
Growth conditions	field	60	3816.0	1	0.95	0.3289	no
	greenhouse	60	3444.0				
Growth conditions, Bowman	field	30	1014.0	1	2.14	0.1433	no
	greenhouse	30	816.0				
Growth conditions, i:Bw*Blp1*	field	30	898.0	1	0.06	0.8016	no
	greenhouse	30	932.0				
Year, field	2015	10	121.0	5	44.90	0.0000	yes
	2016	10	192.0				
	2017	10	198.0				
	2018	10	543.0				
	2019	10	453.0				
	2020	10	323.0				
Year, field, Bowman	2015	5	32.0	5	25.23	0.0001	yes
	2016	5	59.0				
	2017	5	33.0				
	2018	5	140.0				
	2019	5	115.0				
	2020	5	86.0				
Year, field, i:Bw*Blp1*	2015	5	29.0	5	23.13	0.0003	yes
	2016	5	39.0				
	2017	5	72.0				

	2018	5	138.0				
	2019	5	115.0				
	2020	5	72.0				
Year, greenhouse	2018	20	635.0	2	0.29	0.8644	no
	2019	20	618.0				
	2020	20	577.0				
Genotype, field	Bowman	30	942.0	1	0.16	0.6898	no
	i:Bw*Blp1*	30	888.0				
Genotype, greenhouse	Bowman	30	799.0	1	2.94	0.0863	no
	i:Bw*Blp1*	30	1031.0				
Genotype, greenhouse, autumn	Bowman	15	204.0	1	1.40	0.2372	no
	i:Bw*Blp1*	15	261.0				
Genotype, greenhouse, spring	Bowman	15	198.0	1	2.05	0.1524	no
	i:Bw*Blp1*	15	267.0				

Table S12. Effects of different factors on the width of seeds according to the Kruskal–Wallis *H* test

Таблица П12. Оценка влияния различных факторов на ширину зерна с помощью *H*-критерия Краскела-Уоллиса

Factors	**Group**	**Group Size**	**Sum of Ranks**	**df**	***H***	***p*-value**	**Significant**
Growth conditions	field	60	3170.0	1	5.83	0.0158	yes
	greenhouse	60	4090.0				
Growth conditions, Bowman	field	30	837.0	1	1.33	0.2488	no
	greenhouse	30	993.0				

Growth conditions, i:Bw*Blp1*	field	30	737.0	1	6.93	0.0085	yes
	greenhouse	30	1093.0				
Year, field	2015	10	228.0	5	27.53	0.0000	yes
	2016	10	187.0				
	2017	10	167.0				
	2018	10	465.0				
	2019	10	344.0				
	2020	10	439.0				
Year, field, Bowman	2015	5	83.0	5	22.22	0.0005	yes
	2016	5	50.0				
	2017	5	16.0				
	2018	5	130.0				
	2019	5	73.0				
	2020	5	113.0				
Year, field, i:Bw*Blp1*	2015	5	21.0	5	21.01	0.0008	yes
	2016	5	40.0				
	2017	5	71.0				
	2018	5	118.0				
	2019	5	102.0				
	2020	5	113.0				
Year, greenhouse	2018	20	691.0	2	1.74	0.4194	no
	2019	20	589.0				
	2020	20	550.0				
Genotype,	Bowman	30	1142.0	1	11.26	0.0008	yes

field	i:Bw*Blp1*	30	688.0				
Genotype, greenhouse	Bowman	30	1024.0	1	2.60	0.1071	no
	i:Bw*Blp1*	30	806.0				
Genotype, greenhouse, autumn	Bowman	15	256.0	1	0.95	0.3297	no
	i:Bw*Blp1*	15	209.0				
Genotype, greenhouse, spring	Bowman	15	281.0	1	4.05	0.0443	yes
	i:Bw*Blp1*	15	184.0				

Table S13. Effects of different factors on the area of seeds according to the Kruskal–Wallis *H* test

Таблица П13. Оценка влияния различных факторов на площадь зерна с помощью *H*-критерия Краскела-Уоллиса

Factors	Group	Group Size	Sum of Ranks	df	*H*	*p*-value	Significant
Growth conditions	field	60	3628.0	1	0.0001	0.9916	no
	greenhouse	60	3632.0				
Growth conditions, Bowman	field	30	1006.0	1	1.81	0.1785	no
	greenhouse	30	824.0				
Growth conditions, i:Bw*Blp1*	field	30	820.0	1	1.97	0.1602	no
	greenhouse	30	1010.0				
Year, field	2015	10	153.0	5	39.79	0.0000	yes
	2016	10	182.0				
	2017	10	180.0				
	2018	10	528.0				
	2019	10	426.0				

	2020	10	361.0				
Year, field, Bowman	2015	5	48.0	5	25.19	0.0001	yes
	2016	5	57.0				
	2017	5	19.0				
	2018	5	140.0				
	2019	5	107.0				
	2020	5	94.0				
Year, field, i:Bw*Blp1*	2015	5	29.0	5	20.33	0.0011	yes
	2016	5	37.0				
	2017	5	74.0				
	2018	5	132.0				
	2019	5	106.0				
	2020	5	87.0				
Year, greenhouse	2018	20	668.0	2	1.41	0.4952	no
	2019	20	623.0				
	2020	20	539.0				
Genotype, field	Bowman	30	1017.00	1	2.27	0.1316	no
	i:Bw*Blp1*	30	813.0				
Genotype, greenhouse	Bowman	30	837.0	1	1.33	0.2488	no
	i:Bw*Blp1*	30	993.0				
Genotype, greenhouse, autumn	Bowman	15	217.0	1	0.41	0.5203	no
	i:Bw*Blp1*	15	248.0				
Genotype, greenhouse, spring	Bowman	15	210.0	1	0.87	0.3507	no
	i:Bw*Blp1*	15	255.0				