Supplementary Materials

Yield Stability and Adaptation of Common Bean (Phaseolus vulgaris L.) Genotypes in Rainfed Environments of the Bajío

Alejandro Antonio Prado-García, Jorge Alberto Acosta-Gallegos, Víctor Montero-Tavera, Ricardo Yáñez-López, Juan Gabriel Ramírez-Pimentel and Cesar Leobardo Aguirre-Mancilla

Table S1. Descriptive information for the 100 common bean genotypes (*Phaseolus vulgaris* L.) evaluated across six rainfed environments in the Bajío region, Mexico (2023–2024).

No.	Genotype	Seed color/type	Growth habit [1]	Gene pool	Material type
1	Flor de Mayo 38	Pink-mottled	III	Mesoamerican	Improved variety
2	Negro Nayarit	Black opaque	III	Mesoamerican	Improved variety
3	Amarillo 155	Mustard yellow	IV	Mesoamerican	Improved variety
4	Arriaga	Black opaque	III	Mesoamerican	Improved variety
5	Flor de Durazno	Pink-mottled	I	Mesoamerican	Improved variety
6	Actopan	Black opaque	III	Mesoamerican	Improved variety
7	Az. Pimono 78	Yellow	I	Andean	Improved variety
8	Az. Tapatío	Yellow	III	Mesoamerican	Improved variety
9	F. Mayo Sol	Pink-mottled	III	Mesoamerican	Improved variety
10	Negro Tropical	Black opaque	II	Mesoamerican	Improved variety
11	Bayo Berrendo	Cream	II	Mesoamerican	Improved variety
12	Negro Fraylesca	Black opaque	III	Mesoamerican	Improved variety
13	Bayo Los Llanos	Yellow	III	Mesoamerican	Improved variety
14	Flor de Mayo	Pink-mottled	III	Mesoamerican	Improved variety
15	Pinto Mestizo	Pinto-mottled	II	Mesoamerican	Improved variety
16	Negro Altiplano	Black opaque	III	Mesoamerican	Improved variety
17	Negro 8025	Black opaque	III	Mesoamerican	Improved variety
18	Negro Qro 78	Black shiny	III	Mesoamerican	Improved variety
19	Negro Sinaloa	Black opaque	II	Mesoamerican	Improved variety
20	Negro Medellín	Black opaque	II	Mesoamerican	Improved variety
21	Negro Perla 90	Black shiny	III	Mesoamerican	Improved variety
22	Puebla 152	Black shiny	III	Mesoamerican	Improved variety
23	Dalia	Pink-striped	III	Mesoamerican	Improved variety
24	Bayo INIFAP	Bayo	III	Mesoamerican	Improved variety
25	G 1457	Black shiny	III	Mesoamerican	Native variety
26	FJ 6x6 t27	Pink-striped	III	Mesoamerican	Advanced line
27	G 4360	Pinto-striped	III	Mesoamerican	Native variety
28	G 6780	Pink-striped	III	Mesoamerican	Native variety
29	G 13675	Red-striped	II	Andean	Native variety
30	G 15646	Red-striped	II	Andean	Native variety
31	G 16043	Purple	III	Mesoamerican	Native variety
32	G 16007	Black opaque	III	Mesoamerican	Native variety
33	G 9923	Black opaque	III	Mesoamerican	Native variety
34	G 19158	Black opaque	III	Mesoamerican	Native variety
35	G 22076	Black opaque	III	Mesoamerican	Native variety

No.	Genotype	Seed color/type	Growth habit [1]	Gene pool	Material type
36	Granada	Red	II	Mesoamerican	Improved variety
37	Cacahuate Salamanca	Red-striped	I	Andean	Advanced line
38	FM Anita	Pink-mottled	III	Mesoamerican	Improved variety
39	Bayo 159	Yellow	IV	Mesoamerican	Improved variety
40	Pinto Libertad	Pinto-mottled	III	Mesoamerican	Improved variety
41	Negro Sahuatoba	Black opaque	III	Mesoamerican	Improved variety
42	G 9967	Bayo-mottled	III	Mesoamerican	Native variety
43	G 9862	Canary yellow	I	Andean	Native variety
44	G 2323	White	III	Mesoamerican	Native variety
45	G 2335	Yellow	III	Mesoamerican	Native variety
46	G 1398	Yellow	III	Mesoamerican	Native variety
47	G 1321	Brown	III	Mesoamerican	Native variety
48	Canaria Cid	Yellow	III	Mesoamerican	Advanced line
49	US14HBR6	Pinto-mottled	II	Mesoamerican	Improved variety
50	AP. 20 7116	Yellow	I	Andean	Improved variety
51	Trat 9 SEG 61 FJ	Pink-striped	III	Mesoamerican	Advanced line
52	FR-21 GP 061 60 L-7	Pinto-striped	III	Mesoamerican	Advanced line
53	G 6953	Pinto-mottled	III	Mesoamerican	Native variety
54	GPO 69 1E 18 FM	Pink-mottled	III	Mesoamerican	Advanced line
55	FR21 G 69 21 L7 FM	Pink-mottled	III	Mesoamerican	Advanced line
56	GPO 69 66	Pinto-mottled	III	Mesoamerican	Advanced line
57	FR-21 G 69 26 L27	Pinto-mottled	III	Mesoamerican	Advanced line
58	G 6964	Pinto-striped	III	Mesoamerican	Native variety
59	FR21 Gpo 69 8 L7 FJ	Pink-striped	III	Mesoamerican	Advanced line
60	FR21 G 69 33 L7 FJ	Pink-striped	III	Mesoamerican	Advanced line
61	G69 SEL 16 FM	Pink-mottled	III	Mesoamerican	Advanced line
62	FR Gpo 69 65 L7	Pinto-striped	III	Mesoamerican	Advanced line
63	G 6969	Pinto-striped	III	Mesoamerican	Native variety
64	FR21 G 69 11 L7 FJ	Pink-striped	III	Mesoamerican	Advanced line
65	FR-21 G 69 53	Pinto	III	Mesoamerican	Advanced line
66	FR-21 GPO 69 25 L7	Pinto-striped	III	Mesoamerican	Advanced line
67	Azufradoro	Yellow	I	Andean	Improved variety
68	Mayomex	Pink-mottled	III	Mesoamerican	Improved variety
69	Azufradomex	Yellow	I	Andean	Improved variety
70	Rincón Grande	Black opaque	III	Mesoamerican	Improved variety
71	Rubí	Black opaque	III	Mesoamerican	Improved variety
72	G 813	Black	III	Mesoamerican	Native variety
73	G 1779C	Black	III	Mesoamerican	Native variety
74	G 9811	Bayo	I	Andean	Native variety
75	NG F. Magón	Black shiny	III	Mesoamerican	Advanced line
76	SMR 27	Red	II	Mesoamerican	Advanced line
77	SCR 16	Red	II	Mesoamerican	Advanced line

No.	Genotype	Seed color/type	Growth habit [1]	Gene pool	Material type
78	SER 267	Red	II	Mesoamerican	Advanced line
79	SER 83	Red	II	Mesoamerican	Advanced line
80	SER 93	Red	II	Mesoamerican	Advanced line
81	Bayo M.A. Zac	Yellow	III	Mesoamerican	Advanced line
82	Azufrasin	Yellow	III	Andean	Improved variety
83	PS/Dalia-M-2-3-6-M	Pinto-mottled	III	Mesoamerican	Advanced line
84	(D38/AZNA)/PS-M-30-2-1-M	Pinto-mottled	III	Mesoamerican	Advanced line
85	*P. SaltilloXTA-245-1-1-3*	Pinto-mottled	III	Mesoamerican	Advanced line
86	PS-AZH-15×PS-3-1-1-2-5	Pinto-mottled	III	Mesoamerican	Advanced line
87	PS-AZH-15×PS-3-1-1-1-1	Pinto-mottled	III	Mesoamerican	Advanced line
88	*P. SaltilloXTA-245-1-2-2*	Pinto-mottled	III	Mesoamerican	Advanced line
89	*P. SaltilloXTA-245-1-2-4*	Pinto-mottled	III	Mesoamerican	Advanced line
90	Tto 5 FJ-17 4X4 402 L-19 FJ	Pink-striped	III	Mesoamerican	Advanced line
91	FJ 6X6 T33	Pink-striped	III	Mesoamerican	Advanced line
92	G-Ng Opaco	Black opaque	III	Mesoamerican	Advanced line
93	Negro Gto	Black opaque	III	Mesoamerican	Improved variety
94	G 9703	Yellow	II	Andean	Native variety
95	Antigua	Black opaque	III	Mesoamerican	Improved variety
96	Huitel-143	Purple-striped	III	Mesoamerican	Improved variety
97	G 2355 MIX	Black opaque	III	Mesoamerican	Native variety
98	FJ-6X6-T11	Pink-striped	III	Mesoamerican	Advanced line
99	FR-21-GPO-69-68	Pinto-striped	III	Mesoamerican	Advanced line
100	G 2280	Yellow	III	Andean	Native variety

[1] Growth habit types following the CIAT classification system: Type I, determinate bush; Type II, indeterminate bush; Type III, indeterminate prostrate; Type IV, indeterminate climbing.

[2] Gene pool: Mesoamerican or Andean, determined by seed protein markers and/or morphological descriptors.

[3] Material types: Improved variety, officially registered and released variety; Native variety, landrace accession from regional collections; Advanced line, experimental breeding line under evaluation.

***** Lines in italics (P. SaltilloXTA series) were derived from interspecific crosses with *Phaseolus acutifolius* A. Gray (tepary bean) and developed for adaptation to moisture-limited environments.