

2025 Nebraska Dryland Winter Pea Variety Trial in North Platte, NE

Planting Date: 9/24/2024

Harvest Date: 7/15/2025

Brand	Variety	Type of variety	Yield rank	Yield (bu/ac)	Seed weight (g/1000 seeds)	Protein concentration (%)	Flowering date*
ProGene	Payback	Winter; Yellow- Food ingredient market	1	47.5a	124b	21.1a	22-May
ProGene	Blaze	Winter; Yellow- Split, Food ingredient, and pet food markets	2	40.8ab	134a	20.8ab	28-May
ProGene	Goldenwood	Winter; Yellow- Food ingredient market	3	40.2ab	120b	21.0ab	26-May
ProGene	Pro 184-7148	Winter; Yellow- Whole pea food grade quality	4	36.0b	124b	19.8b	29-May

Means followed by the same letter within a column do not differ statistically from each other by the least significant difference test at 5% probability. Seed yield, seed weight, and seed protein concentration are expressed at 12% grain moisture content.

*Flowering date was determined as 50% of the plants flowering in the plot.

Trial information:

Location: West Central Research, Extension, and Education Center; North Platte, NE (41°03'13"N 100°45'03"W)

Planted on no-till ground on wheat stubble

Herbicide: Preemergence (Authority Supreme 6 oz/Acre, and Basagran 2oz/ac), Postemergence (Clethodim 6 oz/ac and Raptor 4 oz/ac)

Seeding rate: 500,000 seeds/acre

Seeds were inoculated with peat inoculant at the time of planting

Plot: 10 ft x 40 ft (7.5" row spacing)

2025 Nebraska Dry-land Winter Pea Variety Trial in North Platte, NE

Planting Date: 10/23/2024

Harvest Date: 7/15/2025

Brand	Variety	Type of variety	Yield rank	Yield (bu/ac)	Seed weight (g/1000 seeds)	Protein concentration (%)	Flowering date*
ProGene	Goldenwood	Winter; Yellow- Food ingredient market	1	35.0a	119b	21.7a	2-Jun
ProGene	Payback	Winter; Yellow- Food ingredient market	2	32.4ab	122b	20.4b	4-Jun
ProGene	Pro 7211	Winter; Yellow- Food ingredient and pet food markets	3	25.0b	120b	20.4b	7-Jun
ProGene	Blaze	Winter; Yellow- Split, Food ingredient, and pet food markets	4	23.0b	136a	20.9ab	3-Jun

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Trial information:

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Herbicide: Preemergence (Authority Supreme 6 oz/Acre, and Basagran 2oz/ac), Postemergence (Clethodim 6 oz/ac and Raptor 4 oz/ac)

Seeding rate: 500,000 seeds/acre

Seeds were inoculated with peat inoculant at the time of planting

Plot: 10 ft x 40 ft (7.5" row spacing)

2025 Nebraska Dry-land Winter Pea Variety Trial in North Platte, NE

Planting Date: 3/3/2025

Harvest Date: 7/21/2025

Brand	Variety	Type of variety	Yield rank	Yield (bu/ac)	Seed weight (g/1000 seeds)	Protein concentration (%)	Flowering date*
Valesco Genetics	Chrome	Spring; Highest yielding yellow pea in today's market	1	45.0a	183a	20.0b	27-May
Valesco Genetics	Julius	Spring; High yielding improved seed coat breakage, small seed size, improved Protein	2	38.7ab	155b	21.8a	26-May
ProGene	Goldenwood	Winter; Yellow- Food ingredient market	3	34.3b	106c	22.7a	9-Jun
ProGene	Blaze	Winter; Yellow- Split, Food ingredient, and pet food markets	4	20.1c	127d	21.3ab	12-Jun

Means followed by the same letter within a column do not differ statistically from each other by the least significant difference test at 5% probability. Seed yield, seed weight, and seed protein concentration are expressed at 12% grain moisture content.

*Flowering date was determined as 50% of the plants flowering in the plot.

Trial information:

Location: West Central Research, Extension, and Education Center; North Platte, NE (41°03'13"N 100°45'03"W)

Planted on no-till ground on wheat stubble

Herbicide: Preemergence (Authority Supreme 6 oz/Acre, and Basagran 2oz/ac), Postemergence (Clethodim 6 oz/ac and Raptor 4 oz/ac)

Seeding rate: 500,000 seeds/acre

Seeds were inoculated with peat inoculant at the time of planting

Plot: 10 ft x 40 ft (7.5" row spacing)

2025 Nebraska Dry-land Winter Pea Variety Trial in North Platte, NE

Planting Date: 4/7/2025

Harvest Date: 7/21/2025

Brand	Variety	Type of variety	Yield rank	Yield (bu/ac)	Seed weight (g/1000 seeds)	Protein concentration (%)	Flowering date*
Valesco Genetics	Chrome	Spring; Highest yielding yellow pea in today's market	1	45.5a	181a	20.5b	9-Jun
Valesco Genetics	Julius	Spring; High Yielding, Improved Seedcoat Breakage, Small Seed Size, Improved Protein	2	39.3b	148b	22.1b	9-Jun
ProGene	Goldenwood	Winter; Yellow- Food ingredient market	3	15.1c	108c	24.4a	13-Jun
ProGene	Blaze	Winter; Yellow- Split, Food ingredient, and pet food markets	4	11.5c	124d	25.2a	14-Jun

Means followed by the same letter within a column do not differ statistically from each other by the least significant difference test at 5% probability. Seed yield, seed weight, and seed protein concentration are expressed at 12% grain moisture content.

*Flowering date was determined as 50% of the plants flowering in the plot.

Trial information:

Location: West Central Research, Extension, and Education Center; North Platte, NE (41°03'13"N 100°45'03"W)

Planted on no-till ground on wheat stubble.

Herbicide: Preemergence (Authority Supreme 6 oz/Acre, and Basagran 2oz/ac), Postemergence (Clethodim 6 oz/ac and Raptor 4 oz/ac)

Seeding rate: 500,000 seeds/acre

Seeds were inoculated with peat inoculant at the time of planting

Plot: 10 ft x 40 ft (7.5" row spacing)