



Pioneer® Brand Soybean Varieties

with High Oil & High Protein Levels for the Biodiesel, Livestock & Food Markets

VARIETIES WITH HIGH OIL AND/OR HIGH PROTEIN LEVELS

During the last several decades, North American soybean growers have done an excellent job of increasing their yields, thanks to better production management practices, improved plant breeding techniques and innovative research resulting in improved varieties with resistance and tolerance to key diseases and pests.

In order for soybean growers to maximize their income per acre in the future, it will become increasingly important to choose top yielding varieties that carry resistance and tolerance to yield-robbing diseases and pests plus have the characteristics end users desire. Consciously choosing top performing varieties that produce above average protein or oil levels will also help ensure the future strength of the North American soybean market in the eyes of domestic and foreign users.

CHARACTERIZING OIL AND PROTEIN LEVELS BY VARIETY

Pioneer® brand soybean varieties are characterized for their protein and oil content using Near-Infrared instruments (NIR), with industry standard calibrations from the Federal Grain Inspection Service (FGIS). Those varieties with characterization data that indicate oil levels of 19% or more (at 13% grain moisture) and/or protein levels of 35% or more (at 13% grain moisture) have been identified as Pioneer high oil and/or high protein soybean varieties.

Keep in mind weather and environmental conditions can impact protein and oil levels from location to location and year to year. Growers must remember that future percent oil and protein data figures may vary because of these factors.

Note: See next page for the list of Pioneer varieties with high oil and high protein content levels.

PARTNERING WITH PIONEER

Pioneer is working to help growers identify opportunities and to select hybrids and varieties with the right traits for maximum end-use value. Through the Pioneer IndustrySelect® program, Pioneer is creating and characterizing high-yielding products for their potential to deliver on end-user value specifications.



Linking the Seed to the End-Use Need®



IF GROWERS CHOOSE TO PARTICIPATE IN PROGRAMS OFFERING PRICE PREMIUMS FOR PROTEIN AND/OR OIL CONTENT, WHAT SHOULD GUIDE THEIR VARIETY SELECTION PROCESS?

- Growers should first choose top-performing varieties – yield and defensive traits – adapted to their areas.
- Then among those top-performing selections, choose the varieties that offer the best potential for meeting the protein or oil levels required by the grain handler or processor.
- Example: Let's say a grower expects to produce a yield of 60 bushels/acre and a processor is offering a \$.05/bushel protein premium. The grower can expect to earn an additional \$3.00/acre because of the protein premium. This \$3.00/acre protein premium is equivalent in value to .25 bushels/acre of soybeans figuring commodity price at \$12.00/bushel. The grower will maximize income potential by choosing top-performing varieties characterized with high protein level potential.

For additional information on Pioneer soybean varieties with high protein and/or oil levels, contact your local Pioneer sales professional.



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VARIETIES WITH BOTH HIGH OIL & HIGH PROTEIN LEVELS

PIONEER® VARIETY	RM	% OIL*	% PROTEIN*
91M92 (RR/STS)	19	19.0	35.2
92M54 (RR)	25	19.1	35.4
92M72	27	19.1	35.2
92M76 (RR)	27	19.3	35.1
92Y80 (RR)	28	19.1	36.0
93Y01 (RR)	30	19.5	35.5
93M11 (RR)	31	20.0	35.0
93Y12 (RR)	31	19.2	35.6
93Y20 (RR)	32	19.3	35.0
93B68 (RR)	36	19.7	35.7
93M70 (RR)	37	19.4	35.9
93B82	38	19.7	35.7
93M82 (RR)	38	19.0	35.1
93M92 (RR)	39	19.1	35.2
94Y20 (RR)	42	19.2	35.7
94M30 (RR)	43	19.1	37.2
94M31 (RR)	43	19.4	35.9
94M50 (RR)	45	19.5	35.6
94B73 (RR)	47	20.2	35.7
95B32 (RR)	53	19.3	35.8

VARIETIES WITH HIGH OIL LEVELS

PIONEER® VARIETY	RM	% OIL*
90M01 (RR)	00	19.2
90Y41 (RR)	04	20.2
90M61 (RR)	06	19.5
90M80 (RR)	08	19.9
90M93 (RR/STS)	09	19.3
91M01 (RR)	10	19.7
91M13 (RR)	11	19.2
91M30 (RR)	13	20.1
91M41 (RR)	14	20.8
91M51 (RR)	15	19.8
91M60 (RR)	16	19.0
91M61 (RR)	16	19.6
91Y70 (RR)	17	20.4
91M80 (RR)	18	19.1
91M91 (RR)	19	19.3
91M92 (RR/STS)	19	19.0
91Y91 (RR)	19	19.8

VARIETIES WITH HIGH OIL LEVELS continued

PIONEER® VARIETY	RM	% OIL*
92M02 (RR)	20	19.2
92M11 (RR)	21	20.2
92M21 (RR)	22	20.4
92Y20 (RR)	22	20.2
92M32 (RR)	23	19.3
92Y30 (RR)	23	19.8
92M41 (RR)	24	19.5
92M52 (RR)	25	20.0
92M53 (RR)	25	20.3
92M54 (RR)	25	19.1
92M61 (RR)	26	19.5
92M72	27	19.1
92M74 (RR)	27	19.7
92M75 (RR)	27	19.8
92M76 (RR)	27	19.3
92M81 (RR)	28	19.4
92Y80 (RR)	28	19.1
92M91 (RR)	29	20.5
93M01 (RR)	29	20.0
93Y01 (RR)	30	19.5
93M10 (RR)	31	19.1
93M11 (RR)	31	20.0
93M13 (RR)	31	20.3
93Y10 (RR)	31	20.7
93Y12 (RR)	31	19.2
93Y20 (RR)	32	19.3
93B68 (RR)	36	19.7
93M62	36	19.8
93M70 (RR)	37	19.4
93Y70 (RR)	37	19.1
93B82	38	19.7
93B85 (RR)	38	19.4
93M82 (RR)	38	19.0
93M92 (RR)	39	19.1
94Y01 (RR)	40	19.7
94B13 (RR)	41	19.0
94Y20 (RR)	42	19.2
94M30 (RR)	43	19.1
94M31 (RR)	43	19.4
94M50 (RR)	45	19.5
94B73 (RR)	47	20.2

VARIETIES WITH HIGH OIL LEVELS continued

PIONEER® VARIETY	RM	% OIL*
94M70 (RR)	47	19.8
94M71 (RR)	47	20.7
94Y70 (RR)	47	19.8
94Y90 (RR)	49	19.5
95B32 (RR)	53	19.3

VARIETIES WITH HIGH PROTEIN LEVELS

PIONEER® VARIETY	RM	% PROTEIN*
90A01	0009	38.4
90B51 (RR)	05	35.0
90M60 (RR)	06	35.1
90M92 (RR)	09	35.2
91M70 (RR)	17	35.1
91M92 (RR/STS)	19	35.2
92M01 (RR)	20	35.7
92B38 (RR)	23	35.2
92M33 (RR)	23	35.4
92M34 (RR/STS)	23	35.9
92M54 (RR)	25	35.4
92M72	27	35.2
92M76 (RR)	27	35.1
92M82 (RR)	28	35.1
92Y80 (RR)	28	36.0
92Y90 (RR)	29	36.9
93M20 (RR)	30	35.9
93Y01 (RR)	30	35.5
93M11 (RR)	31	35.0
93Y11 (RR)	31	36.5
93Y12 (RR)	31	35.6
93Y20 (RR)	32	35.0
93B36 (RR)	33	35.9
93M42 (RR)	34	35.7
93B67 (RR)	35	35.3

VARIETIES WITH HIGH PROTEIN LEVELS continued

PIONEER® VARIETY	RM	% PROTEIN*
93Y50 (RR)	35	35.3
93B68 (RR)	36	35.7
93M70 (RR)	37	35.9
93B82	38	35.7
93M82 (RR)	38	35.1
93Y81 (RR)	38	35.3
93M90 (RR)	39	35.6
93M92 (RR)	39	35.2
93M94 (RR/STS)	39	35.7
93M95 (RR)	39	36.5
93Y90 (RR)	39	35.5
94Y10 (RR)	41	35.8
94Y20 (RR)	42	35.7
94M30 (RR)	43	37.2
94M31 (RR)	43	35.9
94M40 (RR/STS)	44	36.3
94M50 (RR)	45	35.6
94Y60 (RR)	46	36.5
94B73 (RR)	47	35.7
94M80 (RR)	48	36.2
95Y20 (RR)	52	36.1
95B32 (RR)	53	35.8
95M30 (RR)	53	36.8
95B43 (RR)	54	35.6
95Y40 (RR)	54	36.4
95Y41 (RR)	54	36.4
95M50 (RR/STS)	55	36.2
95M60 (RR)	56	36.5
95Y70 (RR/STS)	57	35.2
95M80 (RR)	58	37.9
95M82 (RR)	58	36.1
96M60 (RR)	66	36.4
97M50 (RR)	75	37.9

* % Oil and % Protein levels are based on 13% grain moisture. Compare data within these tables only. Values can vary widely by growing season and region.



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