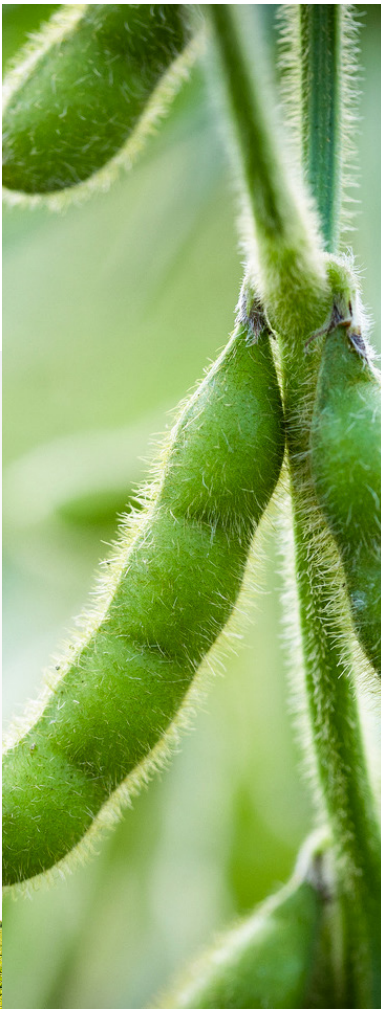


2024 DIRECT SEED GUIDE



PROVEN  
PERFORMANCE  
*Direct*

BENSON  HILL®



# BENSON HILL®

Benson Hill, Inc. is a food technology company on a mission to lead the pace of innovation in the food system. Using our CropOS® technology platform, we unlock the genetic diversity of plants in ways that improve key attributes like protein and high oleic oil while maintaining healthy yields.

Benson Hill High Protein, non-GMO soybeans are not only a key ingredient in transforming our food system, but, they also have the potential to transform your business in the following ways:

- 
**INDUSTRY-LEADING VARIETIES**  
**HIGH PROTEIN & SPECIALTY OIL**
- 
**FLEXIBILITY TO IDENTIFY & PARTICIPATE IN**  
**SPECIALTY SOY PROGRAMS**
- 
**PRODUCT CHARACTERISTICS MAY EARN ADDITIONAL**  
**PREMIUM OPPORTUNITIES**

We invite you to dig into our 2024 seed guide to learn more. Please reach out directly if we can answer any questions about our genetics and how they can enhance your operation.



## N2358

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **2.3**

- High protein and competitive yield
- Excellent IDC scores

### VARIETY CHARACTERISTICS†

Plant Height .....	Tall
Plant Type .....	Med Bushy
Standability .....	Good
Flower Color .....	White
Pubescence .....	Tawny
Pod Color .....	Brown
Hilum Color .....	Brown

### VALUE ADDED CHARACTERISTICS†

<b>45-46%</b>	<b>20-21%</b>
<b>Protein</b>	<b>Oil</b>

### DISEASE & PEST RATINGS‡



Soybean Cyst Nematode



Sudden Death Syndrome



Iron Deficiency Chlorosis



White Mold

# SEED VARIETIES: MATURITY 2.3-3.1



## BH25C137

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **2.5**

- Good standability
- Great agronomic package



### VARIETY CHARACTERISTICS†

Plant Height .....	Med
Plant Type .....	Bushy
Standability .....	Good
Flower Color .....	White
Pubescence .....	Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS†

<b>40-42%</b>	<b>21.5-23%</b>
<b>Protein</b>	<b>Oil</b>

### DISEASE & PEST RATINGS‡

<b>MR</b>	<b>AR</b>	<b>MR</b>
Sudden Death Syndrome	Iron Deficiency Chlorosis	White Mold



## BH31Q146

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **3.1**

- Very good agronomics
- Good choice for highly productive soils
- Tall bushy plant type



### VARIETY CHARACTERISTICS†

Plant Height .....	Med
Plant Type .....	Bushy
Standability .....	Above Average
Flower Color .....	White
Pubescence .....	Light Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS†

<b>44-45%</b>	<b>20-21%</b>
<b>Protein</b>	<b>Oil</b>

### DISEASE & PEST RATINGS‡

<b>R</b>	<b>MR</b>
Soybean Cyst Nematode	Sudden Death Syndrome

† Protein and oil values are reported on a dry weight basis (DWB). Environmental conditions may cause protein and oil composition to fluctuate.  
‡ AR = Average Resistance MR = Moderately Resistant\* R = Resistant | 1-5 rating with 1 being Excellent

# SEED VARIETIES: MATURITY 3.5-3.7



## N35D950S

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **3.5**

- Possesses the STS trait for more flexibility
- Strong disease package
- Good choice for highly productive soils
- Excellent agronomics

**STS**<sup>®</sup>  
herbicide tolerant trait

### VARIETY CHARACTERISTICS<sup>†</sup>

Plant Height .....	Med
Plant Type .....	Med
Standability .....	Good
Flower Color .....	Purple
Pubescence .....	Light Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS<sup>†</sup>

<b>45-46%</b>	<b>20-21%</b>
<b>Protein</b>	<b>Oil</b>

### DISEASE & PEST RATINGS<sup>†</sup>

<b>R</b> Phytophthora Tolerance	<b>R</b> Brown Stem Rot	<b>MR</b> Iron Deficiency Chlorosis
<b>R</b> Soybean Cyst Nematode	<b>MR</b> Sudden Death Syndrome	<b>MR</b> Frogeye Leaf Spot



## E3776S

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **3.7**

- Possesses the STS trait for more flexibility
- Increasing popularity due to food application potential
- Strong disease package

**STS**<sup>®</sup>  
herbicide tolerant trait

### VARIETY CHARACTERISTICS<sup>†</sup>

Plant Height .....	Med
Plant Type .....	Med
Standability .....	Good
Flower Color .....	Purple
Pubescence .....	Light Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS<sup>†</sup>

<b>44-46%</b>	<b>20-21%</b>
<b>Protein</b>	<b>Oil</b>

### DISEASE & PEST RATINGS<sup>†</sup>

<b>R</b> Phytophthora Tolerance	<b>R</b> Brown Stem Rot	<b>MR</b> Iron Deficiency Chlorosis
<b>R</b> Soybean Cyst Nematode	<b>MR</b> Sudden Death Syndrome	<b>MR</b> Frogeye Leaf Spot

# SEED VARIETIES: MATURITY 3.7-3.8



## C37H051S

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **3.7**

- Possesses the STS trait for more flexibility
- Great companion with c38H052S
- Performs well on tougher soils
- Taller bushy plant type

**STS**<sup>®</sup>

herbicide tolerant trait

### VARIETY CHARACTERISTICS<sup>†</sup>

Plant Height .....	Med Tall
Plant Type .....	Bushy
Standability .....	Good
Flower Color .....	Purple
Pubescence .....	Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS<sup>†</sup>

42-44%

Protein

21-22%

Oil

### DISEASE & PEST RATINGS<sup>‡</sup>



Soybean Cyst Nematode



Sudden Death Syndrome



## C38H052S

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **3.8**

- Possesses the STS trait for more flexibility.
- Performs well on your best soils.
- Handles higher plant populations.
- Bushy plant type for all row widths.

**STS**<sup>®</sup>

herbicide tolerant trait



### VARIETY CHARACTERISTICS<sup>†</sup>

Plant Height .....	Med
Plant Type .....	Med
Standability .....	Good
Flower Color .....	White
Pubescence .....	Light Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS<sup>†</sup>

42-43%

Protein

22-23%

Oil

### DISEASE & PEST RATINGS<sup>‡</sup>



Soybean Cyst Nematode



Brown Stem Rot



Sudden Death Syndrome

<sup>†</sup> Protein and oil values are reported on a dry weight basis (DWB). Environmental conditions may cause protein and oil composition to fluctuate.

<sup>‡</sup> AR = Average Resistance MR = Moderately Resistant\* R = Resistant | 1-5 rating with 1 being Excellent

# SEED VARIETIES: MATURITY 4.4



## N44D923S

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **4.4**

- Possesses STS trait for more flexibility
- Low RS Variety with 45% Protein (DWB) for Enhanced Meal
- Good Agronomics Plant Type and Competitive Yields
- Tolerant to Frogeye Leaf Spot

**STS**<sup>®</sup>

herbicide tolerant trait

### VARIETY CHARACTERISTICS<sup>†</sup>

Plant Height .....	Med Tall
Plant Type .....	Bushy
Standability .....	Good
Flower Color .....	Purple
Pubescence .....	Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS<sup>†</sup>

**43-45%**

Protein

**18.5-19.5%**

Oil

### DISEASE & PEST RATINGS<sup>†</sup>



Soybean Cyst Nematode



Brown Stem Rot



Frogeye Leaf Spot



## C44H054S

NON-GMO SOYBEAN VARIETY

### KEY CHARACTERISTICS:

Maturity **4.4**

- Possesses STS trait for more flexibility
- Bushy plant type for all row widths
- Consistent performance across all environments

**STS**<sup>®</sup>

herbicide tolerant trait



### VARIETY CHARACTERISTICS<sup>†</sup>

Plant Height .....	Med
Plant Type .....	Med Bushy
Standability .....	Excellent
Flower Color .....	Purple
Pubescence .....	Tawny
Pod Color .....	Brown
Hilum Color .....	Black

### VALUE ADDED CHARACTERISTICS<sup>†</sup>

**42-43%**

Protein

**22-23%**

Oil

### DISEASE & PEST RATINGS<sup>†</sup>



Soybean Cyst Nematode












Sudden Death Syndrome



Frogeye Leaf Spot

# VARIETIES & CHARACTERISTICS

	N2358	BH25C137	BH31Q146	N35D950S	E3776S	C37H051S	C38H052S	N44D923S	C44H054S
									
<b>Maturity</b>	2.3	2.5	3.1	3.5	3.7	3.7	3.8	4.4	4.4
<b>Plant Height</b>	Tall	Med	Med	Med	Med	Med Tall	Med	Med Tall	Med
<b>Plant Type</b>	Med Bushy	Bushy	Bushy	Med	Med	Bushy	Med	Bushy	Med Bushy
<b>Standability</b>	Good	Good	Above Average	Good	Good	Good	Good	Good	Excellent
<b>Flower Color</b>	White	White	White	Purple	Purple	Purple	White	Purple	Purple
<b>Pubescence</b>	Tawny	Tawny	Light Tawny	Light Tawny	Light Tawny	Tawny	Light Tawny	Tawny	Tawny
<b>Pod Color</b>	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
<b>Hilum Color</b>	Brown	Black	Black	Black	Black	Black	Black	Black	Black
<b>Protein</b>	45-46%	40-42%	44-45%	45-46%	44-46%	42-44%	42-43%	43-45%	42-43%
<b>Oil</b>	20-21%	21.5-23%	20-21%	20-21%	20-21%	21-22%	22-23%	18.5-19.5%	22-23%
<b>Phytophthora Tolerance</b>	—	—	—	R	R	—	—	—	—
<b>Soybean Cyst Nematode</b>	R	MR	R	R	R	R	R	R	R
<b>Brown Stem Rot</b>	—	—	—	R	R	—	R	R	—
<b>Sudden Death Syndrome</b>	MR	—	MR	MR	MR	MR	MR	—	MR
<b>Iron Deficiency Chlorosis</b>	R	AR	—	MR	MR	—	—	—	—
<b>Frogeye Leaf Spot</b>	—	—	—	MR	MR	—	—	MR	MR
<b>White Mold</b>	R	MR	—	—	—	—	—	—	—

† Protein and oil values are reported on a dry weight basis (DWB). Environmental conditions may cause protein and oil composition to fluctuate.  
 ‡ AR = Average Resistance MR = Moderately Resistant\* R = Resistant | 1-5 rating with 1 being Excellent

# BENSON HILL®



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