There is natural color variation in soybeans caused by environment, genetics and other factors. This guide reviews information about soybean seed coat color variation in general and in Enlist E3™ soybeans.

Seed coat color variation is seen in soybeans.

Soybeans naturally come in a range of colors—just like apples, potatoes and other crops with which you are familiar. In general, soybean seed coat color depends on many factors, such as genetics (soybean variety) and environment (temperature, soil type, planting date, moisture during the growing season).

Soybean grading allows for color variance.

Seed coat color is just one of several factors used by the U.S. Federal Grain Inspection Service (FGIS) to grade soybeans. Seed coat color variation is allowed. U.S. No. 1 grade allows up to 1 percent “soybeans of other colors,” and that allowance increases to 2 percent for U.S. No. 2 soybeans.¹

The most recent FGIS data showed 83.5 percent of U.S. soybeans received No. 1 yellow soybeans grade and 11.9 percent received No. 2 yellow soybeans grade.²

SOYBEAN GRADING
Key criteria evaluated and reported by FGIS:

- Test weight
- Moisture
- Heat damage
- Total damaged seeds
- Foreign material
- Splits
- Soybeans of other colors
- Protein and oil

¹ U.S. No. 1 Yellow
² U.S. No. 2 Yellow

QUICK REFERENCE GUIDE
Understanding seed coat color variation in soybeans
Enlist E3™ soybeans are comparable to non-Enlist E3™ soybeans in agronomic performance and nutritional composition. Enlist E3 soybeans have been studied across years, varieties, geographies, maturities and environments in research and production conditions. Enlist E3 soybeans are comparable to non-Enlist E3 soybeans in nutrition, oil and meal composition and isoflavone and iron levels. The color variation does not impact whole plant appearance, seed germination, or emergence; and it is seen only in the seed coat, not the whole bean.

Key takeaways:

• Farmers may see the color variation in some Enlist E3 soybeans.
• The color variation is from naturally occurring substances found in soybeans.
• Enlist E3 soybeans are a much-needed product with strong yield potential and exceptional weed control.

Based on our years of study and experience, we’re confident in the performance and grain quality of Enlist E3 soybeans. And when it comes to getting genetics with high yield potential and unparalleled weed control, we think you’ll like what you see with Enlist E3 soybeans.