

# 2019 Soybean Variety News

## USG Xtend Varieties Top VA Tech Trials

The very wet year in 2018 makes it hard to evaluate varieties since there was so much damage from the 48" of rain from April 1 to Sept. 30. We got more in six months than we normally get in a year. Delayed harvests increased damage and dockage which compounded the problem of collecting good data.

Fortunately, little has changed since 2017. Basically, **weed control needs will still drive variety selection in 2019**. With better understanding of the Xtend weed control system, we believe interest in Xtend soybean varieties will actually grow due to the exceptional yields delivered in 2017.

Renwood Farms has produced six Xtend varieties for sale in 2019 (see Page 3).

Among these are 7496XTS, a MG 4.9 with root knot nematode resistance and 7547XT, the best MG 5.4

(see photo blow) ever offered by USG for the Mid-Atlantic.

Renwood offers a whole line of herbicide treated soybeans discussed on Page 2. Many of the USG varieties produced by Renwood Farms have the STS trait to enhance weed control options with Synchrony® or Classic®.

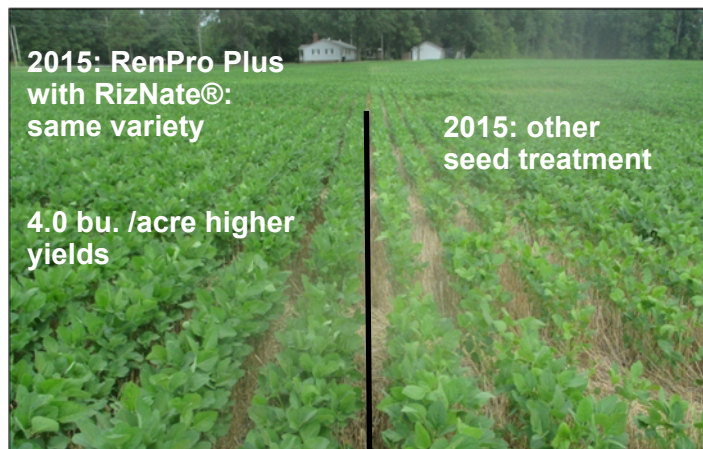
If you cannot find a USG soybean that fits your needs, remember that Renwood Farms will treat other soybean brands with **RenPro™** soybean seed treatment. The photo below right shows an a competitive bean treated with **RenPro™** compared to another seed treatment. **RenPro™** produced four bushels/acre more than the other seed treatment on the same variety. See page 4 for more details on **RenPro™** soybean seed treatments.

VA Tech Official Variety Trial (OVT) 2017: list in order from Warsaw Yields

| Brand    | Variety | Herb Resist | Relative Maturity | ORG  | PTR  | SUF  | WAR  | AVG  |
|----------|---------|-------------|-------------------|------|------|------|------|------|
| USG      | 7496XTS | XT/STS      | 4.9               | 80.9 | 58.4 | 61.6 | 71.3 | 65.7 |
| Channel  | 4916R2X | RR2X/SR     | 4.9               | 76.6 | 58.7 | 62.0 | 67.8 | 65.6 |
| Asgrow   | AG47X6  | RR2X/SR     | 4.7               | 79.3 | 55.6 | 60.4 | 66.9 | 64.7 |
| USG      | 7487XTS | XT/STS      | 4.8               | 72.7 | 64.4 | 59.7 | 66.1 | 64.5 |
| Dyna-Gro | S48XS78 | XT/STS      | 4.8               | 71.2 | 58.9 | 53.7 | 65.9 | 63.2 |
| Asgrow   | AG48X7  | XT/SR       | 4.8               | 66.2 | 58.6 | 57.4 | 65.6 | 63.4 |
| Asgrow   | AG4835  | RR2Y/SR     | 4.8               | 66.3 | 58.6 | 57.6 | 65.2 | 60.4 |
| Asgrow   | AG49X6  | RR2Y        | 4.9               | 68.9 | 58.5 | 62.2 | 64.4 | 62.4 |



USG 7547 XT double-cropped soybean  
With four-bean pods



2015: RenPro Plus with RizNate®: same variety

4.0 bu. /acre higher yields

2015: other seed treatment



## USG Varieties: Conventional, GT (RR), RR2 and GT27

Renwood Farms offers Glyphosate Tolerant (RR), RR2 and conventional soybeans for sale in 2019. All of these varieties have less up-front costs while providing superb genetics that have performed well for several years. If pigweed control is not an issue, these varieties will provide excellent yields with solid genetics.

### Conventional

**USG 5618V:** This is a conventional (**non-Roundup Ready**) MG 5.6 tawny soybean from the VA Tech breeding program. It is a high-yielding soybean with excellent brown spot, stem canker and Frogeye Leaf Spot resistance. It has good emergence and stands well with a medium-height and semi-bushy structure. Yielded 70 bu./acre in VT trials as full-season bean at Warsaw in 2017.

### Glyphosate Tolerant (old RR1)

**USG 74B58:** This large-seeded, medium-short, tawny STS variety has high yield potential with resistance to SDS, Frogeye Leaf Spot, stem canker and SCN 3 and 14. Very easy to harvest.

**USG 7495nRS:** This medium tall plant height has the STS trait: its bushy stature with good resistance to SDS and SCN 3 and 14 makes for a good fit on wide rows. It has performed very well as a double-cropped bean for many years.

### Roundup Ready 2 (RR2)

**USG 74D95RS:** A high-yielding MG 4.9 soybean with resistance to *Root-Knot Nematode*. Excellent resistance to stem canker with above-average resistance to Frogeye Leaf Spot. Produced 84.7 bu. / acre in irrigated Renwood Farms 2014 Variety Trial. See VA Tech results in chart below.

**USG 75B75R:** Top yields in 2017 VA Tech trials as a full-season MG5 soybean with resistance to *Root-Knot Nematode*. Excellent resistance to stem canker with above-average resistance to Frogeye Leaf Spot and SDS makes this a choice for full-season or double cropped bean.

**USG 75J90R:** Top yield in NCSU OVT 3-year trials; resistant to *Root-Knot Nematode* and SCN Race 3; moderately resistant to SCN Race 14. Excellent resistance to stem canker and very good resistance to Cercospora, SDS and Frogeye Leaf Spot makes this a good choice for late-April to Mid-May planting; handles stress on light soils, produces very good yields on good soils.

### New for 2019– GT27 Soybeans

GT27 soybean varieties are available for 2019. These varieties have tolerance to both Roundup (glyphosate) and Liberty (glufosinate) herbicides. They are developed to be tolerant to a Group 27 herbicide (HPPD) in the future but that HPPD chemical has not cleared as yet nor has any been labeled for use in soybeans in 2019.

**USG7399GTL:** A tall, narrow bean with excellent SDS, frogeye and stem canker resistance for early planting. A light tawny bean with resistance to SCN Race 3 and Race 14.

**USG7469GTL:** A bushy medium-tall soybean that fits in nice with wide rows. It is resistant to SCN Race 3 and moderately resistant to SCN Race 14 with excellent stem canker and frogeye resistance. Very good emergence, standability and low pod shatter makes this light tawny soybean an attractive option.

2016 Maturity Group 4 On-Farm Soybean Results

| Brand            | Variety   | King & Queen | Westmoreland | Lan-caster | Prince George | Brunswick | Mecklen-burg | VA Beach | Dinwid-die | Avg. Rel. Avg. | Yield |
|------------------|-----------|--------------|--------------|------------|---------------|-----------|--------------|----------|------------|----------------|-------|
| USG              | 74D95RS   | 57.4         | 65.7         | 49.6       | 31.4          | 52.4      | 31.1         | 56.1     | 83.4       | 53.4           | 106   |
| Asgrow           | AG4835    | 59.5         | 58.6         | 52.5       | 35.4          | 49.8      | 28.6         |          | 82.6       | 52.4           | 105   |
| Seed Consultants | SCS9474RR | 54.7         | 59.7         | 51.9       | 35.6          | 51.7      | 30.2         | 59.9     | 75.9       | 52.5           | 105   |
| Seed Consultants | SC9497R   | 58.5         | 60.2         | 52.4       | 36.1          | 53.9      | 27.8         | 57.4     | 72.2       | 52.3           | 105   |
| DynaGro          | S48R553   | 62.4         | 59.2         | 55.0       | 34.6          | 47.6      | 26.6         | 53.9     | 81.8       | 52.6           | 104   |
| USG              | 74K95RS   | 52.1         | 63.9         | 51.6       | 36.7          | 48.4      | 26.4         | 56.3     |            | 47.9           | 103   |
| Asgrow           | AG4632    | 51.0         | 57.2         | 53.1       | 36.8          | 48.6      | 27.7         |          | 80.5       | 50.7           | 102   |



Renwood Farms Featured USG Xtend Varieties for 2019

| Variety | Traits                               | RM  | Notes   |
|---------|--------------------------------------|-----|---|
| 7427XTS | XT, STS<br>SCN 3 & 14                | 4.2 | For April and early May planting or late June and early July. Strong emergence in cooler soils, excellent stem canker resistance and very good against SDS. Light tawny pods means better resistance to purple stain: excellent shatter resistance at harvest with STS trait for herbicide flexibility: avoid over-seeding                            |
| 7447XTS | XT, STS,<br>SCN 3 & 14               | 4.4 | For April and early May planting or late June and early July. Strong emergence in cooler soils, excellent charcoal rot resistance for lighter soils and very good against SDS. Light tawny pods means better resistance to purple stain: excellent shatter resistance at harvest with STS trait for herbicide flexibility: avoid over-seeding         |
| 7487XTS | XT, STS,<br>SCN 3 & 14               | 4.8 | Excellent resistance to stem canker with above-average resistance to SDS. Excellent shatter resistance with strong emergence and stands well; this is an upright bean that works well in narrow rows: with STS trait for herbicide flexibility  |
| 7496XTS | XT, STS,<br><b>RKN</b><br>SCN 3 & 14 | 4.9 | The only MG4 Xtend variety with moderate resistance to <i>Root Knot Nematode</i> ! A light tawny pod with resistance to stem canker and SDS with a semi-bushy structure makes this perfect for early or double-cropped fields. Avoid over-seeding; 140K full-season and 160K DC under most field conditions: with STS trait for herbicide flexibility |
| 7529XTS | XT, STS                              | 5.2 | This is a hard charging, high yield bushy soybean with stem canker resistance for planting after soils warm in Mid-May.   |
| 7547XT  | XT, <b>RKN</b><br>SCN 3 & 14         | 5.4 | A MG 5.4 soybean variety with resistance to <i>Root Knot Nematode</i> . Strong resistance to Frogeye Leaf Spot, SDS and stem canker. A grey bean with outstanding standability makes this the perfect April through May planted variety.  |

**USG 7487XTS**  
**USG 7496XT**  
**USG 7547XT**





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**Call us with questions! Ask about prices and discounts for the best seed and seed treatments for your farm.**

## RenPro™ Soybean Seed Treatments from Renwood Farms

In 2009, Renwood Farms introduced the **RenPro™** family of soybean seed treatments. These seed treatments provide soybean growers with:

- Cleaner seeds as they remove fungal pathogens carried on the seed from last season
- Protection from soil fungal pathogens in cool, wet, dry or warm soil conditions
- Nutrients that regulate nitrogen uptake and utilization (*molybdenum*) and enhance disease resistance

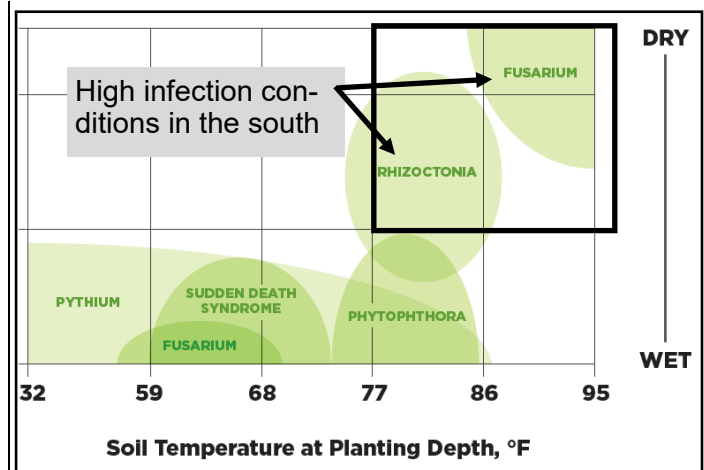
Optional – you can add these products

- Protection from above and below ground insects
- Biological microbes to stimulate plant growth and protect roots from soil pathogens (**RizNate™**)
- Nematode protection

This chart is the best we know to illustrate the value of **RenPro™** soybean seed treatment. About 99% of soybean seed treatments focus on protecting the soybean plant under cool and wet conditions. And there are serious reasons to do so. Wherever soybeans are grown in the US, April 15th is the optimum date to plant soybeans. Consider that 85% of US soybeans are grown north of Virginia and you realize that soils are cold and wet in April in most of the US soybean growing area.

The southern US can be warm late April/ early May. Many of southern US soybeans are double-cropped in June. So warm and wet or warm and dry soils are part of the conversation in the southern soybean growing area.

The fungal pathogens that damage soybean plants are different in cold soils compared to warm soils. **RenPro™** is the only soybean seed treatment to protect against both.



**RizNate®** is an encapsulated biological seed inoculant providing bacteria that produce nitrogen-fixing nodules on soybean roots and also contains a balance of several other microbes.

These microbes in **RizNate®** compliment seed fungicides to help protect from pathogens. These microbes also stimulate and enhance plant growth.

Nematodes are the most limiting factor in several soybean fields. For 2019, Renwood Farms provides three different nematode seed treatments: **Votivo®**, **Clariva®** and **BIOst™**. These are different seed treatments with different modes of action used to reduce nematode populations. Rotating each year with one of these treatments helps to avoid resistance.

USG soybean varieties treated with **RenPro™** seed treatments have produced more than other soybean systems in on-farm tests. Call us so we can demonstrate the value of the Renwood Farms Soybean Production System in your farming operation.