

2012

Burley Tobacco

Seeds that
grow
your business™



Pelleted with *Incotec*® Technology

Seeds that grow your business™

At F. W. Rickard Seeds, we've been dedicated to the tobacco producer for 75 years. We consistently produce varieties that you depend on – seeds that grow your business!

Our goal is to supply you with a premium product at an affordable price, along with the purest and highest germinating tobacco seed possible and the greatest number of varietal alternatives.

In 2013, HB4488PLC will be available for sale. This variety combines resistance to TMV, black shank and fusarium wilt. With this resistance package, good quality and high vigor, HB4488PLC will be a safe choice for farmers wanting to produce the highest yields. Samples will be available for the 2012 season.

F. W. Rickard Seeds continues to produce seed at our ProfiGen do Brasil facility as well as with our contract growers in Kentucky and Tennessee. F. W. Rickard Seeds and ProfiGen do Brasil remain ISO certified facilities.

All seed sold in the U. S. by Rickard Seeds is certified by the Kentucky Seed Improvement Association, ensuring that your seed meets or exceeds industry standards of quality. Our quality controls enable us to meet the wide range of growing conditions and challenges faced by growers.



“With TN 90 primed seed I noticed faster, more even emergence. I ended up with a better tray count.”

Gene Nolt
New Holland, PA

**ProfiGen Inc.**



www.rickardseed.com

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Black Shank Resistant

Variety Descriptions

KT 209LC is a 2009 burley hybrid release from the joint tobacco breeding program at the Universities of Tennessee and Kentucky. KT 209LC is a high yielding, late maturing variety with superior black shank resistance. It has a 10 level rating to race 0 and an 8 level resistance to race 1. This variety currently has the highest resistance to race 0 and race 1 black shank. It also has resistance to black root rot, wildfire, tobacco mosaic virus, tobacco vein mottling virus and tobacco etch virus.

KT 210LC is a 2009 burley hybrid release from the joint tobacco breeding program at the Universities of Tennessee and Kentucky. KT 210LC is the first burley variety having moderate to high race 1 black shank resistance and moderate fusarium wilt resistance. It has a 10 level rating to black shank race 0 and a 7 level resistance to race 1. Fusarium wilt resistance is a 5 on a scale of 1-10 with 10 being resistant. KT 210LC also has high resistance to black root rot, wild fire, and tobacco mosaic virus. It is susceptible to tobacco vein mottling virus and tobacco etch virus.

KT 206LC is a high yielding burley variety with improved resistance to the major tobacco diseases in the United States. This variety currently has the highest resistance to race 0 and race 1 black shank, and a moderate level of tolerance to blue mold. KT 206LC is a late maturing variety with an upright growth habit similar to KT 204LC. The variety has better cured leaf than KT 200LC and is comparable to other popular varieties.

HB 3307PLC is a medium maturity variety with excellent yield potential and leaf quality. It has a medium upright growth habit, large leaves, good handling ability with a medium stalk size and low sucker pressure. It has a high resistance to black root rot and wildfire. HB 3307PLC has a high resistance to race 0 black shank and a moderate resistance to race 1.

KT 200LC is a hybrid release from the joint tobacco breeding program at the Universities of Tennessee and Kentucky with level 6 resistance to both races of black shank. It also has resistance to black root rot, wildfire, tobacco mosaic virus, and the virus complex. KT 200LC is a semi-erect, late-maturing hybrid with high yield potential. Allow to ripen fully before harvesting.

KT 204LC is a medium to late maturing variety, flowering approximately four days later than TN 90. It produces medium to tall plants with an average of 22 large leaves. The growth habit of KT 204LC is semi-upright, similar to TN 90. KT 204LC produces cured leaf that is medium to heavy bodied and tan to reddish-tan in color under normal curing conditions. KT 204LC has significantly better cured leaf color than KT 200LC and is comparable to other popular burley varieties.

msKY 14 x L8LC has high mosaic virus and wildfire resistance, medium resistance to black root rot, Fusarium wilt, and high resistance to race 0 black shank. It is susceptible to race 1 black shank. msKY 14 x L8LC has consistent yield and excellent color. It needs to be topped early for sucker control.

NC 5LC is a 2002 hybrid release with an excellent disease resistance package. NC 5 is a medium-late maturity, high-yielding black shank resistant variety with good leaf quality. It has very high resistance to race 0 black shank and moderate resistance to race 1 black shank. It has high resistance to black root rot and resistance to tobacco mosaic virus, wildfire, and the virus complex.

NC 6LC is a medium-late maturity, high-yielding variety with good leaf quality. It has very high resistance to race 0 black shank and low resistance to race 1 black shank. It also has resistance to black root rot, tobacco mosaic virus, wildfire, the virus complex, and races 1 and 3 of the southern root-knot nematode.

R 610LC has level 4 resistance to both race 0 and race 1 black shank, medium black root rot resistance and low to medium Fusarium wilt resistance. R 610 has very large, closely-spaced leaves and excellent quality.

R 630LC is an early maturity hybrid with level 3 resistance to race 0 and race 1 black shank. R 630 has high resistance to black root rot, wildfire, and tobacco mosaic virus, and resistance to etch and vein mottling viruses. It has excellent yield potential and leaf quality.

TN 86LC is a large, high-yielding variety with level 4 resistance to race 0 and race 1 black shank. TN 86 has high resistance to black root rot, wildfire, and vein mottling virus and medium resistance to tobacco etch virus. It is a late-maturing variety.

TN 90LC has level 4 resistance to race 0 and race 1 black shank. TN 90 also has resistance to black root rot and wildfire, plus tobacco mosaic, vein mottling and etch viruses. It has consistent yielding ability along with the smallest stalk of any black shank resistant variety.

TN 97LC is a high-yielding hybrid with good black shank resistance, resistance to tobacco vein mottling, tobacco etch and mosaic virus. TN 97 also has high black root rot and wildfire resistance.

Black Shank Resistant Varieties



	Black Shank Race 0 (1)	Black Shank Race 1 (1)	Blue Mold (1)	Black Root Rot (2)	Fusarium Wilt (1)	Wildfire (3)	TMV (3) <i>(Tobacco Mosaic Virus)</i>	Virus Complex (3) °	Maturity	Relative Yields (1) ±	Leaf Quality (1)	Lodging (1)	Sucker Pressure (2)	Stalk Size (4)	Topping Height
KT 209LC	10	8	-	H	1	R	R	R	Late	9	6	3	M	M	Bud
KT 210LC	10	7	-	H	5	R	R	S	Late	8	7	3	M	M	Bud
KT 206LC	10	7	4	H	1	R	R	R	Late	9	7	3	M	M	Bud
HB 3307PLC	10	4	-	H	-	R	S	R	Med	8	6	3	L	M	Bud
KT 200LC	6	6	2	H	0	R	R	R	Late	8	4	3	L	M	Bud
KT 204LC	7	7	2	H	1	R	R	R	Med-Late	9	6	3	M	M	Bud
msKY 14 x L8LC	10	0	0	M	6	R	R	S	Early	8	7	4	H	M	Bud
NC 5LC	10	4	-	H	0	R	R	R	Med-Late	7	5	2	L	M	Bud
NC 6LC	10	3	-	H	0	R	R	R	Med-Late	8	5	2	L	M	Bud
R 610LC	4	4	-	M	3	-	-	S	Med	5	8	3	M	L	10% Bloom
R 630LC	3	3	-	M	4	R	R	R	Early	5	6	-	L	M	10% Bloom
TN 86LC	4	4	-	H	0	R	S	R	Late	6	4	1	L	L	Bud
TN 90LC	4	4	3	H	0	R	R	R	Med-Late	5	7	3	M	S	10% Bloom
TN 97LC	4	4	-	H	0	R	R	R	Med-Late	6	6	2	L	M	Bud

Codes:

- 1 = 10 - High, 1 - Low, 0 - No Resistance
- 2 = H - High, M - Moderate, L - Low, S - Susceptible
- 3 = R - Resistant, S - Susceptible
- 4 = VL - Very Large, L - Large, M - Medium, S - Small
- ± Relative Yield Scores are based on growth under disease-free conditions.
- # Resistant to root-knot nematode (*Meloidogyne incognita*, Races 1 and 3).
- Resistance or trait not yet rated.
- ° Viruses included in the "Virus Complex" are tobacco etch virus (TEV), tobacco vein mottling virus (TVMV), and the related potato virus (PVY).
- * Based on a limited number of field tests and subject to change.

Chart ratings on Black Shank, Black Root Rot, Fusarium Wilt, Tobacco Mosaic Virus, Virus Complex, Relative Yield Score and Maturity are based, in part, on information from the *2011-2012 Kentucky and Tennessee Tobacco Production Guide*, prepared by the University of Kentucky/University of Tennessee Tobacco Task Force. All other ratings are based on information from the University of Kentucky/University of Tennessee and F.W. Rickard Seeds.

Characteristics for each variety are typical for that variety grown under optimum conditions, but may be affected by and/or changed by environmental conditions, agricultural practices, and varying soil types.

Note: Resistance does not mean immunity.

What growers say...



(This testimonial refers to HB 4488P LC, a new release for 2013. Samples will be available for the 2012 season.)

"I want to try more of this experimental variety next year. I expect it to yield 3000 plus pounds. Right now, in September, it is coloring good."

Brennan Gilkison
Winchester, KY



"All I use is Rickard seed, using Rickard seed I get the best stand. I visited the ProfiGen do Brasil facility in Brazil and really liked all the work being done."

Arnold O'Reilly
Hardinsburg, KY

Non-Black Shank Resistant Variety Descriptions

HB 04PLC is a Rickard hybrid with excellent yield and quality. HB 04P is resistant to black root rot and mosaic virus. It has medium maturity and is similar to NC BH 129 for its resistance to the virus complex. It has large leaves and an average-sized stalk diameter.

KY 907LC is a high-yielding variety that produces large leaves on a medium stalk. KY 907 has medium-late maturity and needs to be bud topped. It has resistance to mosaic virus, tobacco vein mottling virus, wildfire and black root rot. It also has medium resistance to etch virus and low resistance to black shank. KY 907 needs to be topped early to help prevent lodging.

NC 2000LC was the first variety developed especially to tolerate attack by blue mold. NC 2000 is a late-maturing, short variety with less than average yield potential. It tolerates attack by Ridomil™-sensitive or Ridomil™-insensitive strains of the blue mold fungus.

NC 2002LC is a hybrid that has a moderate level of blue mold resistance with a yielding ability and plant type superior to that of NC 2000. NC 2002 is considered to be a late ripening cultivar. If allowed to fully ripen before harvesting, it will produce acceptable quality leaf.

NC 3LC is a hybrid with long, wide, upright leaves. It shows excellent vigor and has resistance to black root rot, mosaic, etch, and vein mottling virus, races 1 and 3 of the southern root-knot nematode, and low resistance to black shank. Stalk size is medium. It does well in a wide range of areas and soil types.

NC BH 129LC is a high-yielding, vigorous growing, medium-early hybrid. Very uniform in growth plus easy topping. It is adaptable to a wide area.

R 7-12LC - Released in 2000, this high-yielding Rickard hybrid typically has excellent color and quality. R 7-12 has wide, upright leaves on a medium stalk. It has high resistance to black root rot and resistance to wildfire and tobacco mosaic virus.

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Non-Black Shank Resistant Varieties

	Black Shank Race 0 (1)	Black Shank Race 1 (1)	Blue Mold (1)	Black Root Rot (2)	Fusarium Wilt (1)	Wildfire (3)	TMV (3) <i>(Tobacco Mosaic Virus)</i>	Virus Complex (3) °	Maturity	Relative Yields (1) ±	Leaf Quality (1)	Lodging (1)	Sucker Pressure (2)	Stalk Size (4)	Topping Height
HB 04PLC	0	0	-	H	0	R	R	S	Med	9	7	3	M	M	10% Bloom
KY 907LC	2	2	-	H	1	R	R	R	Med-Late	8	7	5	L	M	Bud
NC 2000LC	0	0	7	L	1	R	R	S	Late	4	3	3	L	M	10% Bloom
NC 2002LC	0	0	7	M	0	R	R	R	Late	5	5	3	L	M	Bud
NC 3LC	2	2	0	H	1	R	R	R	Med-Late	7	7	2	L	M	10% Bloom
NC BH 129LC	1	1	-	H	1	R	R	S	Med-Early	7	6	1	M	L	Bud
R 7-12LC	0	0	-	H	4	R	R	S	Late	8	7	2	L	M	10% Bloom

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1 - Low
- 0 - No Resistance
- 2 = H - High,
M - Moderate,
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- 3 = R - Resistant,
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- 4 = VL - Very Large,
L - Large,
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"We have been using Rickard seed for 40 years and have been very satisfied. We have raised tobacco in the Salt River bottoms for 28 years and never dropped below 3000 pounds per acre."

Jimmy and Mary Ann Young
Lawrenceburg, KY



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