

2012

# Dark 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.

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.



Ask for Rickard Seed by name.



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# Black Shank Resistant

## Variety Descriptions

Black shank is a soil-borne disease that can be devastating to tobacco. In some years it can seriously lower yields, especially where disease populations are high and non-resistant varieties are used. The first symptom usually noticeable is wilting. While plants sometimes recover during the night, they wilt again the following day, and leaves will eventually turn yellow and die. Larger roots of plants may turn black, and the stalk may turn black near soil-level. Another symptom that occurs in advanced stages of black shank is called discing. Tissue inside stalks (pith) often dries, turns brown or black and separates into discs, or plate-like structures. One management practice for controlling black shank is the use of resistant varieties. F.W. Rickard Seeds offers several varieties with black shank resistance. NOTE: Resistance does not mean immunity.



**PD 7318LC** is a medium maturity fire-cured and air-cured hybrid with resistance to black shank race 0, black root rot and TMV. It has excellent yield and curing characteristics. Leaves are long and drooping.

**PD 7309LC** is a medium maturity fire-cured and air-cured hybrid with resistance to black shank race 0. It has excellent yield and curing characteristics. Leaves are long and drooping.

**PD 7305LC** was a 2010 dark fired variety release from Rickard Seeds. It is an early maturing fire-cured variety with a very prostrate growth habit. It has excellent yield and good quality. PD 7305LC has high resistance to black shank race 0 and moderate resistance to race 1. It is also resistant to tobacco mosaic virus and black root rot.

**PD 7302LC** is a medium maturity fire-cured and air-cured hybrid with resistance to black shank race 0, black root rot and TMV. It is upright in growth, and leaves grow in more erect position on stalk. It has good yield and excellent curing characteristics.

**KT D8LC** is a medium maturity fire-cured and air-cured variety with a growth habit and black shank resistance similar to KT D4LC. It has excellent yield potential and quality.

**KT D6LC** is a medium maturity dark-fired hybrid, with superior resistance to black shank and significantly higher yield potential over most dark-fired tobacco cultivars other than KT D4LC. It also has resistance to mosaic virus, wildfire and black root rot.

**KT D4LC** is a medium maturity fire-cured and air-cured variety with excellent top yield potential. It has the highest level of black shank resistance of any dark tobacco. Leaf quality is superior to TN D950 with cured leaf being a good brown color. Growth habit is much more erect than most other dark fire-cured varieties.

**TN D950** is an early maturing fire-cured variety with excellent yield and good quality. It withstands environmental stresses in the field better than some other varieties. Leaves are long and drooping, but not to the same extent as Narrow Leaf Madole. Leaf cures to dark brown in color. This variety is available in screened seed only.

**VA 309** is an early to medium maturity fire-cured and air-cured variety, with good yield and quality. Leaves are semi-erect growing on the plant and are dark green in the field. Leaf typically cures to a good brown color. This variety is available in screened seed only.

**VA 359** is a medium maturity fire-cured and air-cured variety, with yields slightly lower than VA 309. Leaf color is lighter green than VA 309 in the field. VA 359 is more upright in growth than VA 309, and bottom leaves of VA 359 hold up very well. Leaf quality is good and cured leaf color is typically medium brown. This variety is available in screened seed only.

# Black Shank Resistant Varieties



VARIETY	BS(0)	BS(1)	Use	YS	QS	BRR	FW	Wildfire	TMV	Maturity
PD 7318LC	10	0	F/A	8	7	H	-	-	H	Med
PD 7309LC	10	0	F/A	7	8	S	-	-	S	Med
PD 7305LC	10	3	F	8	6	H	S	H	H	Early
PD 7302LC	10	0	F/A	6	7	H	M	-	H	Med
KT D8LC	4	4	F/A	9	5	S	-	S	S	Med
KT D6LC	3	3	F	8	7	H	S	H	H	Med
KT D4LC	4	4	F/A	9	5	S	-	S	S	Med
TN D950 †	3	3	F	8	6	H	S	H	H	Early
VA 309 †	2	2	A/F	6	8	L	-	-	S	Early-Med
VA 359 †	1	1	A/F	6	8	L	-	-	S	Med

† Denotes variety available as screened only.

- BS(0) - Black Shank Race (0)
- BS(1) - Black Shank Race (1)
- BRR - Black Root Rot
- FW - Fusarium Wilt
- TMV - Tobacco Mosaic Virus
- YS - Yield Score
- QS - Quality Score

- Resistance Ratings**
- R = Resistant
  - H = High Resistance
  - M = Moderate Resistance
  - L = Low Resistance
  - S = Susceptible
  - 10 = High
  - 1 = Low
  - 0 = No Resistance

- Resistance or trait not yet rated.
- \* Resistance information obtained from university greenhouse trials.

**Note: Resistance does not mean immunity.**

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.

# What growers say...



*"I consider variety selection one of the most critical decisions I make when planning my dark tobacco crop. F.W. Rickard Seeds provide me with the variety of seed I need for every situation I am faced with. I am very partial to the new PD varieties that allow me to grow tobacco in places that I have not been able to in years past. Black Shank is getting more prevalent every year, and these new varieties are allowing growers to be more flexible in where they grow their tobacco. I have always liked 950 as my early setting because it matures earlier than other varieties. Now that PD7305 is available, I have started growing it. PD7305 has provided me with high quality tobacco and outstanding yields for the past two years. PD7318 has been my choice for my mid-season crop for the last four years. PD7318 has never let me down with its disease package, quality and yield. I have raised PD7309 for the last three years for my later planting. PD7309 gives me NL Madole characteristics plus I have some black shank resistance. PD7309 will stand longer in the field, giving me plenty of time to harvest and not lose quality in my leaf. F.W. Rickard Seed Co. has done an exceptional job providing tobacco producers with the most up-to-date traits and varieties to keep us producing high quality American grown tobacco."*

Scott Lowe  
Murray, KY

## Non-Black Shank Resistant Variety Descriptions

**PD 7312LC** is a medium maturity fire-cured and air-cured hybrid between msKY 171 and Narrow Leaf Madole. It has the excellent yield and quality observed on NL Madole and the black root rot and TMV resistance from KY 171.

**Narrow Leaf Madole** is a medium to late maturity fire-cured and air-cured variety, with both excellent yield and quality. Leaves are long and drooping; leaf surface is smooth. Narrow leaf Madole doesn't perform as well in cool, damp weather - it typically performs better when planted after May 15th. It is an easy curing variety; leaves cure to reddish brown in color.

**TR (Tom Rosson) Madole** is a medium maturity fire-cured variety with excellent yield and quality. TR Madole has a wider leaf than Narrow Leaf Madole. It is an easy curing variety, and leaves cure to reddish brown in color. This variety is available in screened seed only.

**DF 911** is a medium maturity fire-cured variety with excellent yield. It looks similar to KY 171 in the field; however, DF 911's leaf quality potential is less than what is typical for either KY 171 or Narrow Leaf Madole. This variety is available in screened seed only.

**KY 160** is a medium maturity air-cured variety with good yield and excellent quality. Leaves are long and leaf surface is smooth. Leaf colors well. This variety is available in screened seed only.

**KY 171** is a medium maturity fire-cured and air-cured variety, with very good yield and excellent quality. It is upright in growth, and leaves grow in more erect position on stalk. KY 171 has a coarse leaf face. It colors well, curing to brown in color. Along with the Madoles, it is one of the easiest curing varieties. This variety is available in screened seed only.

**Little Crittenden** is a medium to late maturity fire-cured and air-cured variety, with very good yield and excellent quality. Leaves are long with considerable crinkle and grow in semi-erect position on stalk. Bottom leaves hold up well. Leaf cures to brown in color. Ease of curing is similar to that of Narrow Leaf Madole and KY 171. This variety is available in screened seed only.



# Non-Black Shank Resistant Varieties

VARIETY	BS(0)	BS(1)	Use	YS	QS	BRR	FW	Wildfire	TMV	Maturity
<b>PD 7312LC</b>	0	0	F/A	7	8	H	M	S	H	Med
<b>Narrow Leaf Madole</b> ♂	0	0	F/A	7	9	S	S	S	S	Med-Late
<b>TR (Tom Rosson) Madole</b> †	0	0	F	6	8	S	S	S	S	Med
<b>DF 911</b> †	0	0	F	8	6	H	S	H	H	Med
<b>KY 160</b> †	0	0	A	3	9	S	S	S	H	Med
<b>KY 171</b> †	0	0	A/F	7	7	H	M	S	H	Med
<b>Little Crittenden</b> †	0	0	A/F	5	9	S	S	S	S	Med-Late

♂ Denotes variety available as either LC or screened.

† Denotes variety available as screened only.

BS(0) - Black Shank Race (0)

BS(1) - Black Shank Race (1)

BRR - Black Root Rot

FW - Fusarium Wilt

TMV - Tobacco Mosaic Virus

YS - Yield Score

QS - Quality Score

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H = High Resistance

M = Moderate Resistance

L = Low Resistance

S = Susceptible

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### Note: Resistance does not mean immunity.

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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.

*“The main thing I like about PD 7309 and PD 7318 is they look and fire like Narrow Leaf Madole. Past generations are used to firing Narrow Leaf Madole.”*

Ron Conyea  
Hickory, KY





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