



## APPLICATIONS UNDER EXAMINATION

## POTATO

### POTATO (*Solanum tuberosum*)

**Proposed denomination:** 'QP95098.06'  
**Application number:** 08-6262  
**Application date:** 2008/04/02  
**Applicant:** Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec  
**Breeder:** Pierre Turcotte, Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec

**Variety used for comparison:** 'Envol'

**Summary:** *The plants of 'QP95098.06' are taller, more upright and have more inflorescences than the reference variety 'Envol'. 'QP95098.06' has a stem type plant whereas it is a leaf type in the reference variety. The lateral leaflets of 'QP95098.06' are larger than 'Envol'. 'QP95098.06' has larger inflorescences than the reference variety. The tuber of 'QP95098.06' is light beige with medium anthocyanin colouration of skin in reaction to light whereas it is white with a strong anthocyanin colouration for 'Envol'. 'QP95098.06' has a germ of a conical shape with medium pubescence whereas it has a spherical shape with strong pubescence in the reference variety.*

#### **Description:**

**PLANT:** upright growth habit, stem type foliage structure, early maturity

**STEM:** medium anthocyanin colouration, medium to thick thickness of main stem, medium to strong swelling at nodes

**LEAVES:** medium to dark green, closed to intermediate silhouette, weak anthocyanin colouration in rachis and petiole, medium to strong presence of secondary leaflets

**TERMINAL LEAFLET:** narrowly ovate, acuminate tip, cordate base

**LATERAL LEAFLET:** large to very large size, medium ovate, acuminate tip, cordate base

**INFLORESCENCE:** medium flowering profusion, medium size

**COROLLA:** white, no anthocyanin colouration on inner surface, small to medium size, prominent star, weak anthocyanin in peduncle

**TUBER:** round, cream flesh with no secondary colour

**TUBER EYES:** shallow, predominantly apical distributed, slight prominence of eyebrows

**TUBER SKIN:** light beige, white at base of eye, medium anthocyanin colouration in reaction to light, smooth texture

**LIGHT SPROUT:** medium size, conical shape, few number of root tips, short lateral shoots

**BASE:** medium anthocyanin colouration, medium blue in anthocyanin colouration, medium pubescence

**TIP:** smaller than base in size, intermediate habit, weak anthocyanin colouration, medium pubescence

**QUALITY:** mealy to moist boiling texture, medium boiling sloughing, low discolouration after cooking, medium specific gravity

**Origin and Breeding:** 'QP95098.06' is the result of the cross between 'TaTa9192-15' (female parent) and the hybrid 'QP87097.10' (male parent) that was made in 1995 at the Centre de la recherche Les Buissons, Pointe-aux-Outardes, Québec. The variety is characterized by its yield in the early harvest trials at 75 days.

**Tests and Trials:** Trials for 'QP95098.06' were conducted during the summer of 2008 at Pointe-aux-Outardes, Quebec. There were two replicates of 200 tubers spaced 25 cm apart.

Comparison table for 'QP95098.06'

|                    | 'QP95098.06' | 'Envol**' |
|--------------------|--------------|-----------|
| Plant height (cm)  |              |           |
| mean               | 69.0         | 52.6      |
| standard deviation | 4.3          | 3.6       |

\*reference variety



Potato: 'QP95098.06' (right) with reference variety 'Envol' (left)

**Proposed denomination:** 'QP96076.11L'  
**Application number:** 08-6263  
**Application date:** 2008/04/02  
**Applicant:** Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec  
**Breeder:** Pierre Turcotte, Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec

**Variety used for comparison:** 'Shepody'

**Summary:** 'QP96076.11L' has shorter plants than the reference variety 'Shepody'. The stems of 'QP96076.11L' have a stronger anthocyanin intensity and are thicker than the reference variety. The terminal leaflet of 'QP96076.11L' has an elliptical shape with a cordate base whereas it is broadly ovate with an obtuse base in 'Shepody'. 'QP96076.11L' has a larger lateral leaflet than the reference variety. The terminal and lateral leaflets of 'QP96076.11L' have less waviness of the margin and are glossier than the reference variety. 'QP96076.11L' has less inflorescences than the reference variety. The corolla of 'QP96076.11L' is larger and has less anthocyanin colouration on the inner surface than the reference variety. The tuber of 'QP96076.11L' has a weak anthocyanin colouration in reaction to light, a netted texture, prominent eyebrows with cream flesh whereas in 'Shepody' it has a medium anthocyanin colouration in reaction to light, a rough texture, slight prominence of eyebrows with white flesh. The light sprout of 'QP96076.11L' is small and spherical whereas it is medium and broad cylindrical in the reference variety. The base of the light sprout of 'QP96076.11L' has weaker anthocyanin colouration and is less pubescent than the reference variety.

**Description:**

PLANT: spreading growth habit, intermediate type foliage structure, mid-season maturity

STEM: medium anthocyanin colouration, medium thickness of main stem, low swelling at nodes

LEAVES: medium green, intermediate to open silhouette, no anthocyanin colouration in rachis and petiole, weak presence of secondary leaflets

TERMINAL LEAFLET: elliptical, acuminate tip, cordate base

LATERAL LEAFLET: large size, lanceolate, acuminate tip, cordate base

INFLORESCENCE: medium flowering profusion, medium size

COROLLA: white, no anthocyanin colouration on inner surface, large size, prominent star, weak anthocyanin in peduncle

TUBER: elliptical, cream flesh with no secondary colour

TUBER EYES: shallow, predominantly apical distributed, prominent eyebrows

TUBER SKIN: light beige, white at base of eye, weak anthocyanin colouration in reaction to light, netted texture

LIGHT SPROUT: small size, spherical shape, medium number of root tips, medium length lateral shoots

BASE: weak anthocyanin colouration, no blue in anthocyanin colouration, sparse pubescence

TIP: smaller than base in size, closed habit, weak anthocyanin colouration, sparse pubescence

QUALITY: mealy to moist boiling texture, medium boiling sloughing, low to medium discolouration after cooking, medium to high specific gravity

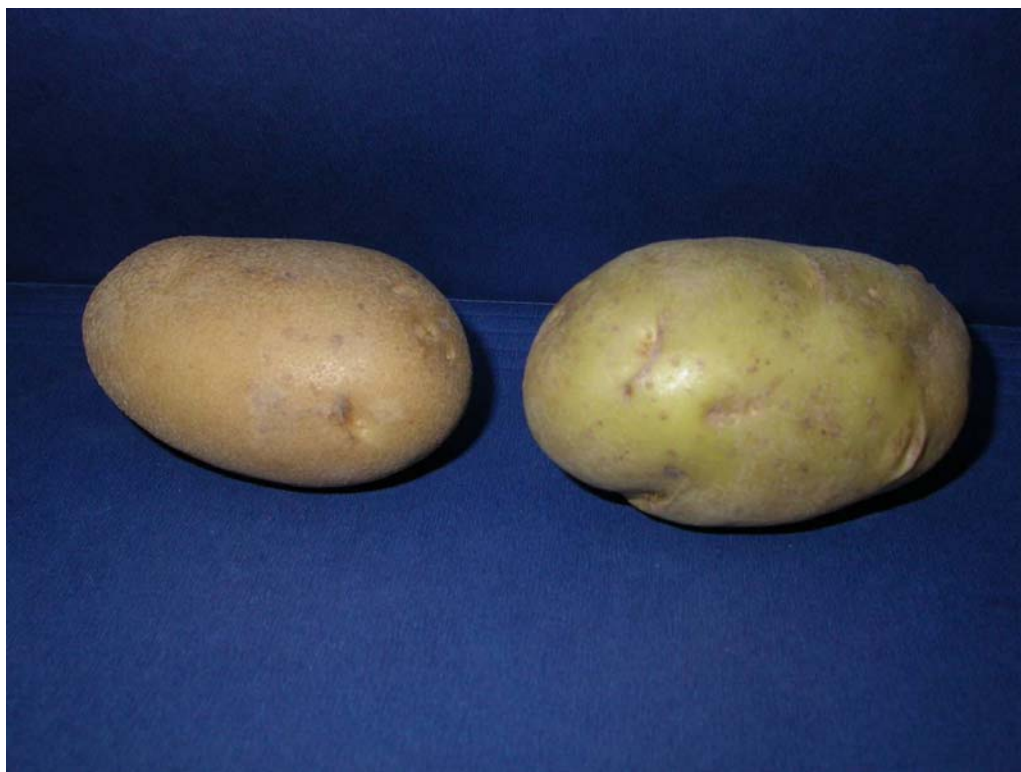
**Origin and Breeding:** 'QP96076.11L' is the result of the cross between 'A 7961-1' (female parent) and the hybrid 'QP87034.044' (male parent) that was made in 1996 at the Centre de la recherche Les Buissons, Pointe-aux-Outardes, Québec. The variety is characterized by its relative density and appearance in the mid-season trials.

**Tests and Trials:** Trials for 'QP96076.11L' were conducted during the summer of 2008 at Pointe-aux-Outardes, Quebec. There were two replicates of 200 tubers spaced 25 cm apart.

**Comparison table for 'QP96076.11L'**

|                          | 'QP96076.11L' | 'Shepody'* |
|--------------------------|---------------|------------|
| <i>Plant height (cm)</i> |               |            |
| mean                     | 59.6          | 66.3       |
| standard deviation       | 1.8           | 3.3        |

\*reference variety



Potato: 'QP96076.11L' (left) with reference variety 'Envol' (right)



Potato: The flesh colour of 'QP96076.11L' (left) with reference variety 'Shepody' (right)

**Proposed denomination:** 'QP96122.08L'  
**Application number:** 08-6264  
**Application date:** 2008/04/02  
**Applicant:** Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec  
**Breeder:** Pierre Turcotte, Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec

**Variety used for comparison:** 'Shepody'

**Summary:** 'QP96122.08L' has taller plants than 'Shepody'. The plants of 'QP96122.08L' are upright with a stem type foliage structure whereas they are semi-upright to spreading with a intermediate type foliage structure in 'Shepody'. 'QP96122.08L' has broadly ovate terminal leaflets with a cordate base whereas they are narrowly ovate with an obtuse base in the reference variety. 'QP96122.08L' has medium glossiness of the leaves whereas they are dull for 'Shepody'. The corolla colour of 'QP96122.08L' is white whereas it is blue-violet in the reference variety. The corolla of 'QP96122.08L' is larger and has a weaker anthocyanin colouration on the inner surface than the reference variety. The colour of the flesh of 'QP96122.08L' is cream whereas it is white in the reference variety. The light sprout of 'QP96122.08L' is conical with weak anthocyanin colouration of the base whereas it is broad cylindrical with medium anthocyanin colouration of the base for 'Shepody'. The tip of the light sprout of 'QP96122.08L' has a weaker anthocyanin colouration and is less pubescent than the reference variety.

**Description:**

PLANT: upright growth habit, stem type foliage structure, mid-season maturity

STEM: no anthocyanin colouration, medium thickness of main stem, low swelling at nodes

LEAVES: medium green, intermediate to open silhouette, no anthocyanin colouration in rachis petiole, medium presence of secondary leaflets

TERMINAL LEAFLET: broadly ovate, acuminate tip, cordate base

LATERAL LEAFLET: medium size, medium ovate, acuminate tip, cordate base

INFLORESCENCE: high flowering profusion, medium size

COROLLA: white, no anthocyanin colouration on inner surface, medium size, prominent star, no anthocyanin in peduncle

TUBER: elliptical, cream flesh with no secondary colour

TUBER EYES: shallow, predominantly apical distributed, medium prominence of eyebrows

TUBER SKIN: light beige, white at base of eye, medium anthocyanin colouration in reaction to light, rough texture

LIGHT SPROUT: medium size, conical shape, medium number of root tips, medium length lateral shoots

BASE: weak anthocyanin colouration, no blue in anthocyanin colouration, medium pubescence

TIP: smaller than base in size, closed habit, weak anthocyanin colouration, sparse pubescence

QUALITY: mealy boiling texture, medium to high boiling sloughing, low discolouration after cooking, high specific gravity

**Origin and Breeding:** 'QP96122.08L' is the result of the cross between 'QP87015.13' (female parent) and the hybrid 'A7961.1' (male parent) that was made in 1996 at the Centre de la recherche Les Buissons, Pointe-aux-Outardes, Québec. The variety is characterized by its dried matter content and appearance in mid-season trials.

**Tests and Trials:** Trials for 'QP96122.08L' were conducted during the summer of 2008 at Pointe-aux-Outardes, Québec. There were two replicates of 200 tubers spaced 25 cm apart.

**Comparison table for 'QP96122.08L'**

|                          | 'QP96122.08L' | 'Shepody'* |
|--------------------------|---------------|------------|
| <i>Plant height (cm)</i> |               |            |
| mean                     | 72.8          | 66.3       |
| standard deviation       | 2.2           | 3.3        |

\*reference variety



Potato: 'QP96122.08L' (right) with reference variety 'Shepody' (left)



Potato: The flesh colour of 'QP96122.08L' (left) with reference variety 'Shepody' (right)

**Proposed denomination:** 'QP96139.01'  
**Application number:** 08-6265  
**Application date:** 2008/04/02  
**Applicant:** Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec  
**Breeder:** Pierre Turcotte, Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec

**Variety used for comparison:** 'Envol'

**Summary:** *The plants of 'QP96139.01' are taller than 'Envol'. The leaf silhouette of 'QP96139.01' is open whereas it is intermediate in the reference variety. The shape of the terminal leaflet is narrowly ovate for 'QP96139.01' whereas it is broadly ovate for 'Envol'. 'QP96139.01' has more and larger inflorescences than the reference variety. The corolla of 'QP96139.01' is larger than 'Envol'. The tuber of 'QP96139.01' is light beige with medium anthocyanin colouration in reaction to light whereas it is white with strong anthocyanin colouration in reaction to light in the reference variety. The light sprout of 'QP96139.01' has an ovoid shape whereas it is spherical for 'Envol'. 'QP96139.01' has a light sprout tip with an open habit, weak anthocyanin colouration and sparse pubescence whereas it is a closed habit, medium anthocyanin colouration with strong pubescence for 'Envol'. 'QP96139.01' has more root tips and shorter lateral shoots than the reference variety.*

**Description:**

PLANT: semi-upright growth habit, leaf type foliage structure, early maturity

STEM: medium to strong anthocyanin colouration, medium to thick main stem, medium to high swelling at nodes

LEAVES: medium green, open silhouette, no anthocyanin colouration in rachis and petiole, medium presence of secondary leaflets

TERMINAL LEAFLET: narrowly ovate, acuminate tip, cordate base

LATERAL LEAFLET: medium size, narrowly ovate, acuminate tip, cordate base

INFLORESCENCE: intermediate flowering profusion, medium size

COROLLA: white, no anthocyanin colouration on inner surface, medium size, prominent star, no anthocyanin in peduncle

TUBER: round, white flesh with no secondary colour

TUBER EYES: shallow, predominantly apical distributed, slight prominence of eyebrows

TUBER SKIN: light beige, white at base of eye, medium anthocyanin colouration in reaction to light, smooth texture

LIGHT SPROUT: medium size, ovoid shape, medium number of root tips, medium length lateral shoots

BASE: strong anthocyanin colouration, medium blue in anthocyanin colouration, strong pubescence

TIP: equal to base in size, open habit, weak anthocyanin colouration, sparse pubescence

QUALITY: medium specific gravity

**Origin and Breeding:** 'QP96139.01' is the result of the cross between 'Brise du Nord' (female parent) and the hybrid 'QP88147.03' (male parent) that was made in 1996 at the Centre de la recherche Les Buissons, Pointe-aux-Outardes, Québec. The variety is characterized by its appearance and tuber uniformity.

**Tests and Trials:** Trials for 'QP96139.01' were conducted during the summer of 2008 at Pointe-aux-Outardes, Québec. There were two replicates of 200 tubers spaced 25 cm apart.

**Comparison table for 'QP96139.01'**

|                          | 'QP96139.01' | 'Envol'* |
|--------------------------|--------------|----------|
| <i>Plant height (cm)</i> |              |          |
| mean                     | 62.3         | 52.6     |
| standard deviation       | 3.1          | 3.6      |

\*reference variety



Potato: 'QP96139.01' (right) with reference variety 'Envol' (left)

**Proposed denomination:** 'Rebond'  
**Application number:** 06-5442  
**Application date:** 2006/04/24  
**Applicant:** Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec  
**Breeder:** Pierre Turcotte, Centre de recherche Les Buissons Inc., Pointe-aux-Outardes, Quebec

**Variety used for comparison:** 'Superior'

**Summary:** *The plants of 'Rebond' are shorter than 'Superior'. 'Rebond' has a thin main stem whereas it is medium thickness in 'Superior'. The leaf silhouette of 'Rebond' is open whereas it is intermediate in the reference variety. The intensity of anthocyanin colouration of the flower bud, the peduncle, and on the inner surface of the corolla are weaker in 'Rebond' than in 'Superior'. 'Rebond' has a spherical light sprout shape with a medium intensity of anthocyanin colouration of the tip whereas it is ovoid with a weak intensity of anthocyanin colouration of the tip in the reference variety.*

**Description:**

**PLANT:** semi-upright growth habit, intermediate type foliage structure, mid-season maturity

**STEM:** very weak anthocyanin colouration, thin thickness of main stem, medium swelling at nodes

**LEAVES:** medium green, open silhouette, no anthocyanin colouration in rachis, very weak anthocyanin colouration in the petiole, weak presence of secondary leaflets

**TERMINAL LEAFLET:** narrowly ovate, acuminate tip, cordate base

**LATERAL LEAFLET:** medium size, narrowly ovate, acuminate tip, cordate base

**INFLORESCENCE:** medium flowering profusion, medium size

**COROLLA:** white, no anthocyanin colouration on inner surface, medium size, prominent star, no anthocyanin in



peduncle

TUBER: round, cream flesh with no secondary colour

TUBER EYES: shallow, predominantly apical distributed, not prominent to slight prominence of eyebrows

TUBER SKIN: light beige, white at base of eye, medium anthocyanin colouration in reaction to light, rough texture

LIGHT SPROUT: medium size, spherical shape, medium number of root tips, short length lateral shoots

BASE: medium anthocyanin colouration, no blue in anthocyanin colouration, weak pubescence

TIP: smaller than base in size, intermediate habit, medium anthocyanin colouration, weak pubescence

QUALITY: mealy boiling texture, medium boiling sloughing, very low to low discolouration after cooking

**Origin and Breeding:** 'Rebond' is the result of the cross between 'QP86013.02' (female parent) and 'W231' (male parent) that was made in 1992 at the Centre de la recherche Les Buissons, Pointe-aux-Outardes, Québec. The variety is characterized by its yield and quality characteristics in the mid-season (120 days) trials.

**Tests and Trials:** Trials for 'Rebond' were conducted during the summer of 2008 at Pointe-aux-Outardes, Québec. There were two replicates of 200 tubers spaced 25 cm apart.

**Comparison table for 'Rebond'**

|                          | 'Rebond' | 'Superior'* |
|--------------------------|----------|-------------|
| <i>Plant height (cm)</i> |          |             |
| mean                     | 64       | 70          |
| standard deviation       | 2.3      | 4.4         |

\*reference variety



Potato: 'Rebond' (right) with reference variety 'Superior' (left)