

Midnight

Protected Variety

Midnight was developed by Cornell University. Midnight is a full season, upright short vine variety, with excellent lodging resistance and purple flower color. Midnight is susceptible to common and fuscous blight and alpha anthracnose, while showing a tolerance to halo blight, root rot, and white mold. Midnight is resistant to CBMV<sup>1</sup>, CBMV<sup>15</sup>, Beta, Gamma, and Delta Anthracnose, and rust.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)  
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
ALFALFA	8000038	TRIDENT		820311 NORTH AMERICAN PLANT BREEDERS
'TRIDENT' MOST CLOSELY RESEMBLES 'APOLLO'; HOWEVER, 'TRIDENT' CLEARLY DIFFERS FROM 'APOLLO' BY HAVING HIGH RESISTANCE TO PHYTOPHTHORA ROOT ROT. FURTHERMORE, 'TRIDENT' HAS LESS WINTERHARDINESS AND LESS RESISTANCE TO BIOTYPE H OF THE SPOTTED ALFALFA APHID THAN 'APOLLO'				
	8200036	BARON		820311 NORTH AMERICAN PLANT BREEDERS
'BARON' MOST CLOSELY RESEMBLES 'CALIVERDE 65'; HOWEVER, 'BARON' IS RESISTANT TO BLUE ALFALFA APHID, WHEREAS 'CALIVERDE 65' IS SUSCEPTIBLE.				
BEAN, FIELD	* 8100104	MIDNIGHT		820311 CORNELL UNIV. AGRIC. EXPT. STA. (2)
'MIDNIGHT' IS MOST SIMILAR TO 'BLACK TURTLE SOUP T-39'; HOWEVER, MATURE PLANT HABIT IN 'MIDNIGHT' IS AN ERECT BUSH WITHOUT LONG RUNNERS, WHEREAS IN 'BLACK TURTLE SOUP T-39' THE MATURE PLANT HABIT IS A SEMI-VINE WITH LONG SPREADING RUNNERS.				
BEAN, GARDEN	7900038	BLUE DUET		820114 MORAN SEEDS, INC.
'BLUE DUET' IS MOST SIMILAR TO 'GREEN ISLE'; HOWEVER, PODS OF 'BLUE DUET' ARE DARKER GREEN (ROYAL HORTICULTURAL COLOUR CHART 141C) THAN ARE PODS OF 'GREEN ISLE' (R.H.S. 141D) AND LEAVES OF 'BLUE DUET' ARE YELLOW GREEN (R.H.S. 135B), WHEREAS LEAVES OF 'GREEN ISLE' ARE DARK GREEN (R.H.S. 135A).				

\*TO BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED  
( ) NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)  
JANUARY 1, 1982 TO MARCH 31, 1982

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
BEAN, GARDEN	8000123	FLO		820218 ASGROW SEED CO.
'FLO' IS MOST SIMILAR TO 'EAGLE', 'CASCADE', 'EARLY GALLATIN' AND 'EARLYBIRD'; HOWEVER, 'FLO' IS RESISTANT TO ANTHRACNOSE RACES ALPHA, BETA, GAMMA, DELTA, AND LAMBDA, WHEREAS 'EAGLE', 'CASCADE' AND 'EARLY GALLATIN' ARE SUSCEPTIBLE TO THE LAMBDA AND ONE OR MORE OF THE OTHER RACES OF ANTHRACNOSE. 'FLO' DIFFERS FROM 'EARLYBIRD' IN THAT PODS OF 'FLO' ARE ABOUT 3 CM LONGER THAN PODS OF 'EARLYBIRD'; ALSO, TERMINAL LEAFLETS OF TRIFOLIOLATE LEAVES ARE 3 CM LONGER IN 'FLO' THAN IN 'EARLYBIRD'.				
CLOVER, WHITE	* 8100173	STAR		820218 IDAHO AGRIC. EXPT. STA. (2)
'STAR' MOST CLOSELY RESEMBLES 'LOUISIANA S-1'; HOWEVER, 'STAR' IS TALLER THAN 'LOUISIANA S-1' (26 VS 15 CM), AND 'STAR' HAS A GREATER NUMBER OF FLOWERING HEADS PER PLANT AT 50% FLOWERING THAN 'LOUISIANA S-1' (184 VS 83 IN THE SECOND YEAR).				
COTTON	* 7600042	RILCOT 90-A		820311 RILCOT SEED CO. (3)
'RILCOT 90-A' MOST NEARLY RESEMBLES 'RILCOT 90'; HOWEVER, 'RILCOT 90-A' HAS A .25-.30 HIGHER MICRONAIRE.				
PEA, GARDEN	8100110	EARLY SWEET #9		820311 GALLATIN VALLEY SEED CO.
'EARLY SWEET #9' IS MOST SIMILAR TO 'EARLY SWEET #7'; HOWEVER, 'EARLY SWEET #9' HAS A CRYPTO-DWARF VINE, WHILE 'EARLY SWEET #7' HAS A STANDARD DWARF TYPE VINE. CRYPTO-DWARFS HAVE LONGER INTERNODES IN THE JUVENILE STAGES OF GROWTH THAN STANDARD DWARFS. 'EARLY SWEET #9' VINE LENGTH TO FIRST FLOWERING NODE IS 25 CM, WHILE 'EARLY SWEET #7' IS 15 CM.				

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( ) NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

## MICHIGAN FOUNDATION SEED ASSOCIATION

### BLACK BEANS offered for 1994 and 1995 - continued

**BLACK MAGIC** - Flowers in 51 days, matures in 99. High yield at 2369 lbs/ac. Erect, short vine plant at 51 cm. Small seeded at 2700 seeds/lb, with a seed weight of 20.3 grams per 100 seeds. Resistant to races V1 and V15 of common bean mosaic virus, halo blight, rust, and gamma anthracnose. Tolerant to air pollution, root rot and white mold. Susceptible to common and fuscous blights, and Alpha, Beta, and Delta anthracnose. THIS VARIETY IS SOLD OUT FOR THE 1994 PLANTING SEASON.

**MINO** - ONLY carry over seedstocks are available for 1994 planting. Flowers in 51 days, 96 days to maturity. Average yield of 28.9cwt/acre. Erect vine plant. Resistant to CBMV1 and 15, Beta, Gamma, and Delta Anthracnose, rust, and halo blight. Tolerant to air pollution, root rot, and white mold. Susceptible to Common Blight, Alpha anthracnose and fuscous blight.

**MIDNIGHT** - Flowers in 50 days, matures in 98 days. Average yield of 31.7cwt/ac. Short, erect vine plant with average height of 52 cm. Seed weight per 100 grams of 19.8. Resistant to CBMV1, CBMV15, Beta, Gamma, and Delta Anthracnose, rust, and halo blight. Tolerant to root rot and air pollution. Susceptible to common and fuscous blight, alpha anthracnose, and white mold (rating of 3). PVP. THIS VARIETY IS SOLD OUT FOR THE 1994 PLANTING SEASON.

**T-39** - Flowers in 49 days, matures in 96 days. Average yield of 30.5cwt/ac. Erect, vine plant. 47 cm plant height, 3.5 lodging score, seed weight per 100 grams of 20.4. Resistant to CBMV1 and 15 & rust. Tolerant to air pollution and root rot. Susceptible to Halo blight, common blight, black root and alpha anthracnose. White mold rating of 3. 1994 supply consists of both carryover and new crop. Carryover seed lots germ between 82% and 93%. THIS VARIETY IS SOLD OUT FOR THE 1994 PLANTING SEASON.

### COLORED BEANS OFFERED FOR 1994

**STUEBEN YELLOW EYES** - Only new crop Michigan grown seedstock is available in 1994. Short vine-type erect plant with pink flowers. Resistant to CBMV1, CBMV2, Halo Blight, and Gamma anthracnose. Susceptible to common and fuscous blight, Alpha, Beta, and Delta anthracnose, white mold and root rot. Tolerant to rust and air pollution. 100 days to maturity, average yield of 1928 lbs/acre. THIS VARIETY IS SOLD OUT FOR THE 1994 PLANTING SEASON.