The Georgia Peanut Breeding Program

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GEORGIA PEANUT BREEDING OBJECTIVES

- Increasing Dollar Value Returns
- Higher Yields and Grades
- Disease and Insect Resistance
- Virus and Nematode Resistance
- Drought and Aflatoxin Resistance
- Improved Shelling Characteristics
- Better Processing Qualities
- Longer Shelf-Life
- Enhanced Flavor and Nutrition
NEW HIGH-YIELDING GEORGIA RUNNER-TYPE PEANUT VARIETIES

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GEORGIA-06G

- New High-Yielding, TSWV Resistant, Runner-Type Variety
- Intermediate Runner Growth Habit with Dark Green Leaf Color
- Medium Maturity, Similar to Georgia Green
- High Levels of TSWV Resistance with Large Runner Seed Size
- Very Productive and Good Stability across Different Environments
- Excellent for the Runner-Market Trade
GEORGIA GREENER

- New High-Yielding, TSWV and CBR Resistant, Runner-Type Variety
- Intermediate Runner Growth Habit with Dark Green Leaf Color
- Medium Maturity, Similar to Georgia Green
- High Levels of TSWV and CBR Resistance with Medium Runner Seed Size
- Very Productive and Good Stability across Different Environments
- Excellent for the Runner-Market Trade
GEORGIA-07W

* High-Yielding, TSWV-Resistant and White Mold-Resistant, Runner-Type Variety
* Runner Growth Habit
* Medium Maturity
* High Levels of TSWV and White Mold Resistance
* Very Productive and Good Stability across Different Environments
* Excellent for the Runner-Market Trade
GEORGIA-12Y

- High-Yielding, High TSWV and White Mold Resistant, Runner-Type Cultivar.
- Runner Growth Habit with Dark Green Leaf Color and Medium Late Maturity (Similar to Georgia-10T).
- Very High Levels of TSWV Resistance and White Mold or Stem Rot Resistance.
- Good Performance and Stability across Many Different Environments, including Reduced Input Tests.
- Another Excellent Runner-Type for an Early-Planting Date Option.
GEORGIA-09B

- High-Yielding, High-Oleic, TSWV-Resistant, Runner-Type Cultivar
- Intermediate Runner Growth Habit and Medium Maturity (Very Similar to Georgia Green, the Recurrent Parent)
- High Levels of TSWV Resistance with Medium Runner Seed Size
- Very Productive and Good Stability across Different Environments
- High-Oleic and Low-Linoleic Oil with Lower Total Saturated Fats
- Excellent Roasted Peanut Flavor for the Runner-Market Trade
GEORGIA-13M

- High-Yielding, High-Oleic, TSWV Resistant, Runner-Type Cultivar.
- Intermediate Runner Growth Habit with Medium+ Maturity.
- High Levels of TSWV Resistance with a High-Percentage of Medium Seed Size.
- Good Performance and Stability across Many Different Environments.
- Excellent for the High-Oleic Runner Market Trade.
GEORGIA-14N

- High-Yielding, High-Oleic, TSWV and Root-Knot Nematode Resistant, Runner-Type Cultivar.
- Intermediate Runner Growth Habit with Medium+ Maturity and Medium Green Leaf Color.
- High Levels of TSWV Resistance and Root-Knot Nematode Resistance.
- Good Performance and Stability across Many Different Environments in the S.E.
- Excellent High-Oleic Runner-Type with a Medium Small Runner Seed Size for Field Areas with High RKN Populations.
GEORGIA-16HO

- High-Yielding, High-Oleic, TSWV-Resistant, Large-Seeded, Runner-Type Cultivar.
- Intermediate Runner Growth Habit with Medium Maturity and Medium Green Leaf Color.
- High Levels of TSWV Resistance with a High Percentage of Jumbo Runner Seed Size.
- Good Performance and Stability across Many Different Environments, Especially with Minimum-Inputs and without Irrigation.
- Excellent Peanut Cultivar for the High-Oleic Runner Market Trade.
RESULTS:
THREE-YEAR AVERAGE TOMATO SPOTTED WILT VIRUS INCIDENCE OF 15 RUNNER-TYPE PEANUT VARIETIES AT MULTILOCATIONS IN GEORGIA, 2015-17.
THREE-YEAR AVERAGE TOTAL DISEASE INCIDENCE OF 15 RUNNER-TYPE PEANUT VARIETIES AT MULTILOCATIONS IN GEORGIA, 2015-17.
THREE-YEAR AVERAGE POD YIELD OF 15 RUNNER-TYPE PEANUT VARIETIES AT MULTILOCATIONS IN GEORGIA, 2015-17.
THREE-YEAR AVERAGE TOTAL SOUND MATURE KERNEL GRADE OF 15 RUNNER-TYPE PEANUT VARIETIES AT MULTILOCATIONS IN GEORGIA, 2015-17.
THREE-YEAR AVERAGE SEED COUNT OF 15 RUNNER-TYPE PEANUT VARIETIES AT MULTIPLE LOCATIONS IN GEORGIA, 2015-17.
THREE-YEAR AVERAGE DOLLAR VALUE OF 15 RUNNER-TYPE PEANUT VARIETIES AT MULTILocations IN GEORGIA, 2015-17.
THANK YOU