

-continued

<400> SEQUENCE: 174

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1. A method for controlling invertebrate pest infestation comprising providing in the diet of an invertebrate pest an agent comprising a ribonucleic acid that functions upon ingestion by the pest to inhibit the expression of a target sequence within said pest, wherein said ribonucleic acid consists of a ribonucleotide sequence that is or is complementary to said target sequence, wherein said ribonucleotide sequence is transcribed from a DNA sequence selected from the group consisting of SEQ ID NO:1 through SEQ ID NO:143, SEQ ID NO:169 through SEQ ID NO:174, and the complement thereof.

2.-45. (canceled)

46. A stacked transgenic event for reducing or eliminating plant pest infestation, comprising a dsRNA for suppression of an essential gene in a target pest and a pesticide exhibiting biological activity against said target pest.

47. The stacked transgenic event of claim 46, wherein said event is a plant selected from the group consisting of alfalfa, aneth, apple, apricot, artichoke, arugula, asparagus, avocado, banana, barley, beans, beet, blackberry, blueberry, broccoli, brussel sprouts, cabbage, canola, cantaloupe, carrot, cassaya, cauliflower, celery, cherry, cilantro, citrus, clementine, coffee, corn, cotton, cucumber, Douglas fir, eggplant, endive, escarole, eucalyptus, fennel, figs, gourd, grape, grapefruit, honey dew, jicama, kiwifruit, lettuce, leeks, lemon, lime, Loblolly pine, mango, melon, mushroom, nut, oat, okra, onion, orange, an ornamental plant, papaya, parsley, pea, peach, peanut, pear, pepper, persimmon, pine, pineapple, plantain, plum, pomegranate, poplar, potato, pumpkin, quince, radiata pine, radicchio, radish, raspberry, rice, rye, sorghum, Southern pine, soybean, spinach, squash, strawberry, sugarbeet, sugarcane, sunflower, sweet potato, sweetgum, tangerine, tea, tobacco, tomato, turf, a vine, watermelon, wheat, yams, and zucchini plants.

48. The stacked transgenic event of claim 46, wherein said essential gene is a target gene encoding a protein, the predicted function of which is selected from the group of func-

tions consisting of muscle formation, juvenile hormone formation, juvenile hormone regulation, ion regulation and transport, digestive enzyme synthesis, maintenance of cell membrane potential, amino acid biosynthesis, amino acid degradation, sperm formation, pheromone synthesis, pheromone sensing, antennae formation, wing formation, leg formation, development and differentiation, egg formation, larval maturation, digestive enzyme formation, haemolymph synthesis, haemolymph maintenance, neurotransmission, cell division, energy metabolism, respiration, and apoptosis.

49. The stacked transgenic event of claim 46, wherein said pesticide is an agent selected from the group consisting of a patatin, a *Bacillus thuringiensis* insecticidal protein, a *Xenorhabdus* insecticidal protein, a *Photorhabdus* insecticidal protein, a *Bacillus laterosporus* insecticidal protein, and a *Bacillus sphearicus* insecticidal protein.

50. The stacked transgenic event of claim 49, wherein said *Bacillus thuringiensis* insecticidal protein is selected from the group consisting of a Cry1, a Cry3, a TIC851, a CryET70, a Cry22, a binary insecticidal protein CryET33 and CryET34, a binary insecticidal protein CryET80 and CryET76, a binary insecticidal protein TIC100 and TIC101, and a binary insecticidal protein PS149B1.

51. The stacked transgenic event of claim 46, wherein said target pest is an agricultural pest selected from the group consisting of insects, mites, fungi, yeasts, molds, bacteria, nematodes, weeds, and parasitic and saprophytic plants.

52. The stacked transgenic event of claim 51, wherein said agricultural pest is selected from the group consisting of an insect pest and a nematode pest.

53. The stacked transgenic event of claim 51, wherein said agricultural pest is an insect pest selected from the group consisting of a Lepidopteran pest, a Coleopteran pest, a Hemipteran pest, and a Dipteran pest.

54. The stacked transgenic event of claim 53, wherein said Coleopteran pest is selected from the group consisting of a *Diabrotica* species, a Colorado Potato Beetle (CPB, *Leptinotarsa decemlineata*), and a Red Flour Beetle (RFB, *Tribolium*