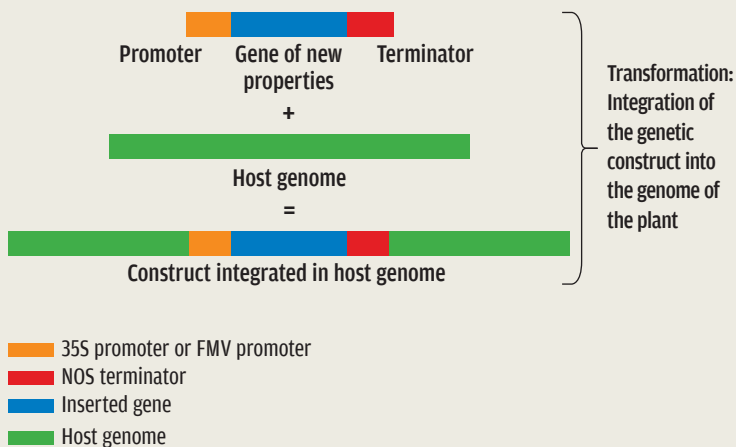
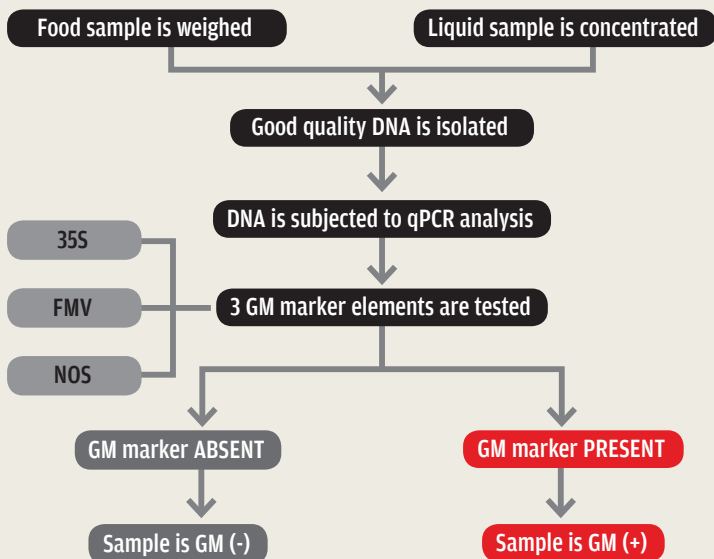


Chasing GM markers

Using qPCR (quantitative Polymerase Chain Reaction), CSE researchers identified GM ingredients in food samples by testing them for the presence of three different foreign DNA elements: 35S promoter (sequence from cauliflower mosaic virus), FMV promoter (sequence from figwort mosaic virus) and Nomaline synthase (NOS) terminator (sequence from *Agrobacterium tumefaciens*), which would only be present if a sample contained GM ingredients



Methodology



Note: Cotton leaf and commercially available cottonseeds were used as positive controls and sterile molecular grade water was used as a negative control in each qPCR run