Below, a computer operator is conducting an electronic count of the trees in an orange grove, using the innovative ImageCount software, an advanced program for defining, counting, numbering and measuring objects in imaging files and captured video frames. EI's work under the SBIR contract spawned commercial spinoffs in several directions. ImageScale Plus is used in scientific applications such as x-ray and magnetic resonance imaging, and in ophthalmological applications. General commercial applications include prepress, document processing, textile design and special effects for motion pictures. The technology developed under the SBIR also facilitated database management and networking of high definition digital images in the medical, scientific and industrial fields using EI's Image Manager software and it enabled EI to adapt the core technology to processing aerial photography imagery and to package it into the software system that became ImageCount.

The tree counting application has broad potential; it offers great time savings compared with alternative methods of inventorying citrus groves for tax purposes: either actual counting of individual trees by field crews, or laborious hand counting of trees in aerial photos. ImageCount also permits computer analysis of the trees for apparent health, an aid in crop forecasting.