

Citrus Industry Magazine- UF/IFAS SWFREC Citrus Mechanical Harvesting Program “What’s Shakin” column

July 2007

The Machine Enhancements Program Update 1 of 2

Yield Monitoring

Two yield monitoring systems are being evaluated on Oxbo canopy shakers. The first of these is a load cell based yield monitoring system and initial results are very encouraging. A second system utilizes imaging technology to measure the mass flow of fruit being conveyed through the harvesting equipment. This monitoring system consists of hardware and software to record the count and measure the size of each citrus fruit that passes over the fruit conveyor belt.

UF/IFAS Assistant Professor, Dr. Reza Ehsani is leading efforts to perfect yield monitoring devices and further information can be found at our website:

<http://citrusMH.ifas.ufl.edu>.