

3, data from Lakeland). Monthly *ET* values were also slightly lower than ET_p values for January through September and slightly higher the rest of the year. Annual *ET* in 1955 for Lake Alfred citrus (1001 mm) was lower than citrus *ET* at Ft. Pierce and lower than the ET_p for Lakeland. This difference was due mostly to lower *ET* values at Lake Alfred during the dry months of February through May in 1955. Lake Alfred citrus *ET* for one year was 16% lower than the Penman based ET_p estimate of 1193 mm.

In 1973, annual *ET* for peaches (Gainesville) was about 18% lower than annual ET_p based on Penman method (Table 3, 1119 mm for Milton). Monthly *ET* data were also consistently lower than monthly ET_p . Management practices that reduce grass cover between trees in the orchard would reduce *ET*, as explained earlier. The low *ET* of this peach orchard was probably the result of incomplete vegetative cover.

Table 9. Water budget estimates of monthly evapotranspiration for citrus, pasture, sugarcane, rice, and peaches for various locations in Florida.

Month	Citrus ¹	Citrus ²	Pasture ³	Sugarcane ⁴	Rice ⁵	Peaches ⁶
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Jan	56	50	51	36	—	39
Feb	56	47	64	28	—	37
Mar	81	68	85	64	82	71
Apr	90	84	107	86	97	94
May	115	78	132	122	107	154
Jun	129	124	108	152	129	114
Jul	127	121	122	165	170	118
Aug	118	113	122	170	178	120
Sep	105	104	98	130	114	51
Oct	93	103	87	132	121	47
Nov	63	59	63	81	95	15
Dec	56	50	49	66	—	54
Annual	1089	1001	1088	1232	—	912

¹Based on 8 years of water balance data from the SWAP project at Ft. Pierce ARC (Rogers, et al., 1983).

²Koo and Sites (1955), Lake Alfred, Florida.

³Stewart and Mills (1967). Mean monthly values averaged over 5 years (3 years Tifway Bermuda grass and 2 years St. Augustinegrass) and over water table depths of 30, 60, and 90 cm maintained in lysimeters at Fort Lauderdale, Florida. These turfgrass *ET* values are assumed to be valid for pastures.

⁴From Shih and Gascho (1980), Belle Glade, Florida.

⁵Shih, et al. (1982), Belle Glade, Florida. Averages from 5 planting dates (March, April, May, June, and July) and adjusted to a rough grain yield of 5500 kg/ha.

⁶1973 water balance data from Gainesville, Florida. From T. Phung and J. F. Bartholic. Water balance in a peach orchard. In: Disposition of Water from Fruit Crops and Approaches to Increase Water Use Efficiency. Water Resources Research Center, Publication No. 33, OWRT Project Number B-014-FLA. Matching Grant Agreement Number DI-14-31-0001-3868. February 1976.