**Southeast Pine Flatwood Consumption: Shrub, Herb and Litter**

Source: Wright, C.S., 2013. Fuel Consumption Models for Pine Flatwoods Fuel

Types in the Southeastern United States. South. J. Appl. For. 37(3): 148-159

**1)** Change existing Equation Number 223 (SE Litter Load Consumed) to Equation number 998

**2)** ~~Add a cover group for Pine Flatwood coded~~ *~~PFL~~* ~~and~~ *~~PinFltwd~~*~~. Add the cover types below to the PFL group~~. **Duncan did this already but found some problems. See email for FOFEM Ticker #96 dated Aug 11, 2016**

SAF

70 – Longleaf pine

83 - Longleaf Pine - Slash Pine

84 - Slash Pine

SRM

812 – North Florida Flatwoods

NVCS

122 - Pinus elliottii Saturated Temperate Forest

414 - Pinus palustris Woodland

460 - Pinus elliottii Saturated Temperate Woodland

461 - Pinus palustris - Pinus elliottii Saturated Woodland

463 - Pinus palustris Saturated Woodland

FCCS

182 – Longleaf pine-slash pine/saw palmetto-gallberry Forest Service

291 - Longleaf pine -- slash pine / saw palmetto forest

**3)** Shrub consumption Equation 236

ln Cs = -0.1889 + (0.9049 \* ln Ls) + (0.0676 \* season)

Cs=shrub load consumed (including saw palmetto)

Ls=prefire shrub loading (including saw palmetto)

Season = if spring or summer=1, if fall or winter=0

Loading = Mg ha-1

**4)** Herb consumption Equation 223

Ch = Lh \* 0.9944

Ch = herb load consumed

Lh = prefire herb loading

Loading = Mg ha-1

**5)** Litter consumption Equation 997

SQRT(Cl) = 0.2871 + (0.9140 \* SQRT(Ll)) – (0.0101 \* Fl)

Cl = litter load consumed

Ll = prefire litter load

Fl = litter moisture percent (gravimetric)

Loading = Mg ha-1

**Conversion factor: 1 Mg ha-1 = 0.446 T ac-1**