

Precipitation Outlook for Species Seasons through the next 12 months

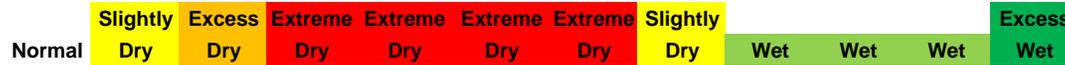
October 5, 2011

Extreme Dry/Wet = Very Much Below/Above Normal Precip

Excess Dry/Wet = Much Below/Above Normal Precip

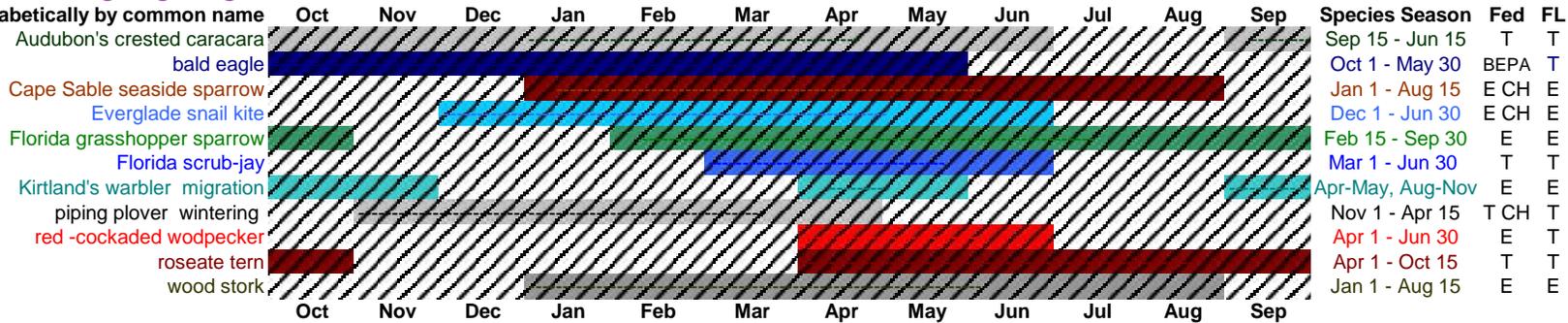
Dry/Wet = Below/Above Normal Precip

Precipitation Outlook -->



Avian - Nesting, Migrating

alphabetically by common name

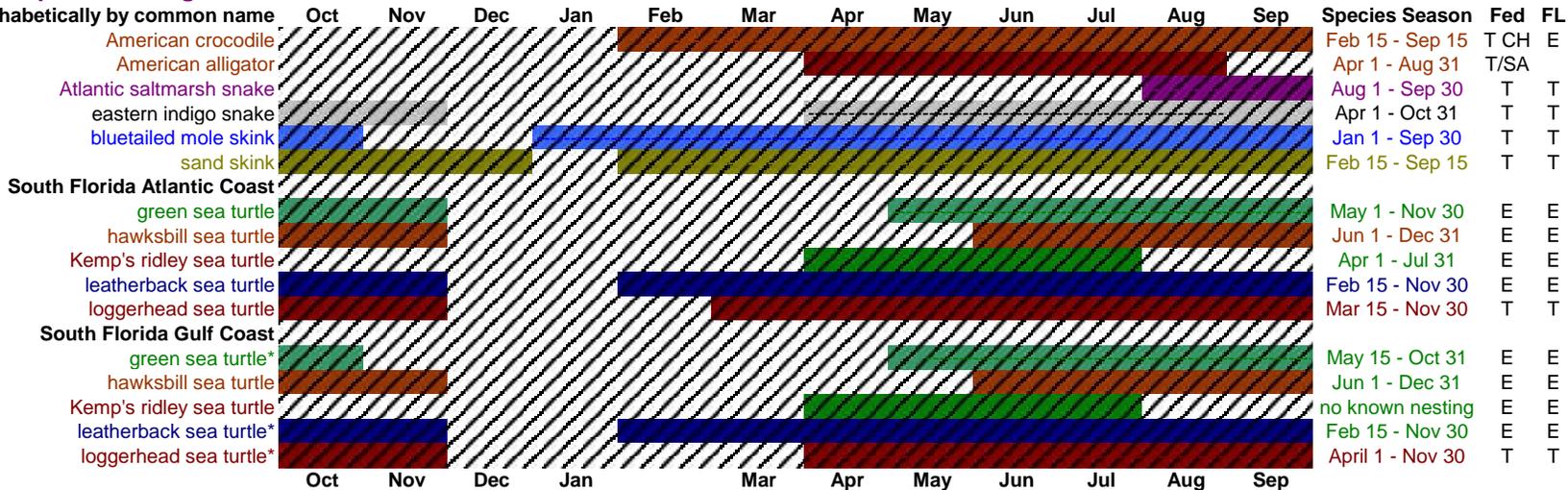


Precipitation Outlook -->



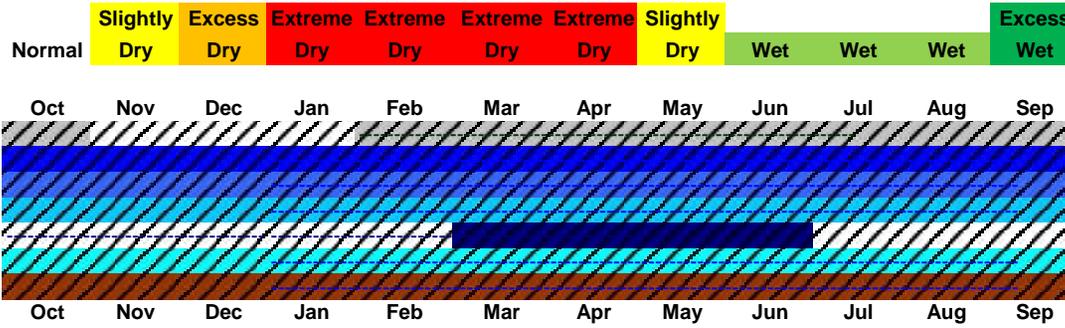
Reptile - Nesting

alphabetically by common name



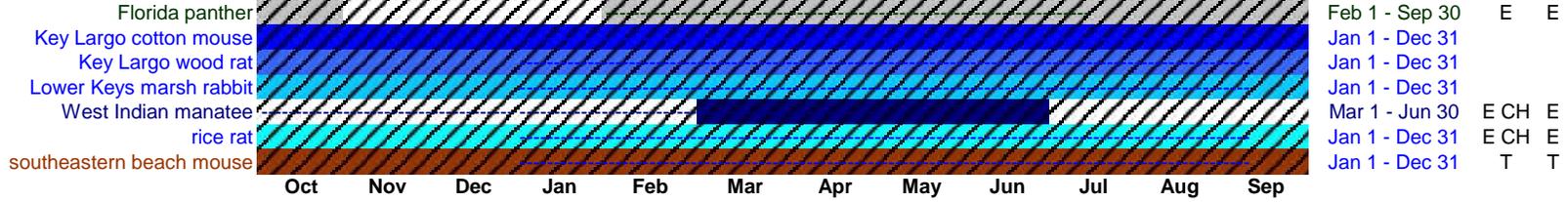
Precipitation Outlook for Species

Precipitation Outlook -->



Mammal - Calving, Denning

alphabetically by common name



Precipitation Outlook -->



Plants

common name



Precipitation Outlook -->



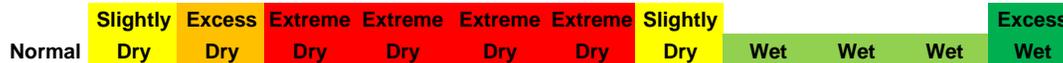
Precipitation Outlook for Species



Plants (Cont.)

common name	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Species Season	Fed	FL
Snakeroot flowers													Jun 1 - Aug 31	E	E
Snakeroot basal rosette													Jan 1 - Dec 31		
Small's milkpea flowers													Jun 1 - Aug 31	E	E
Small's milkpea following fire													Jun 1 - Aug 31		
Johnson's seagrass													Jan 1 - Dec 31	T	CH
Highlands scrub hypericum flowers													Jun 1 - Sep 30	E	E
Florida indigo flowers													Jan 1 - Dec 31	C	E
Beach jacquemontia flowers													Nov 1 - May 31	E	E
Scrub blazing star flowers													Jun 1 - Sep 30	E	E
Sand flax flowers													Mar 1 - Nov 30	C	E
Carter's small-flowered flax flowers/fruits													Feb 1 - May 31	C	E
Scrub lupine flowers													Mar 1 - May 31	E	E
Scrub lupine distinct leaves													Jan 1 - Dec 31		
Britton's beargrass flowers													Mar 1 - May 31	E	E
Britton's beargrass leaves/growth													Jan 1 - Dec 31		
Papery whitlow-wort vegetation													Aug 1 - Nov 30	T	E
Key tree-cactus vegetation													Jan 1 - Dec 31	E	E
Lewton's polygala flowers													Feb 1 - Apr 30	E	E
Tiny polygala flowers													Jan 1 - Dec 31	E	E
Wireweed flowers													Jun 1 - Nov 30	E	E
Sandlace flowers and fruits													Jan 1 - Dec 31	E	E
Scrub plum flowers													Jan 1 - Feb 29	E	E
Scrub plum fruits													Mar 1 - May 31		
Scrub plum distinct leaves													Jan 1 - Dec 31		
Everglades bully													Jan 1 - Dec 31		
Wide-leaf warea flowers													Sep 1 - Oct 31	C	
Wide-leaf warea seedlings													Apr 1 - May 31	E	E
Wide-leaf warea mature plants													Mar 1 - Aug 31		
Carter's mustard flowers													Sep 1 - Oct 31	E	E
Florida ziziphus flowers													Jan 1 - Feb 29	E	E
Florida ziziphus fruits													May 1 - Jun 30		
Florida ziziphus distinct leaves													Mar 1 - Nov 30		

Precipitation Outlook -->



Invertebrate / Host Plants

alphabetically by common name	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Species Season	Fed	FL
Bartram's hairstreak butterfly													Jan 1 - Dec 31	C	
Florida leafwing butterfly													Jan 1 - Dec 31	C	
host pineland croton													Jan 1 - Dec 31		
Miami blue butterfly													Jan 1 - Dec 31	C	
Miami blue host grey nicker													Jan 1 - Dec 31		
Miami blue host balloon vine													Jan 1 - Dec 31		
Miami blue host Florida Key blackbead													Jan 1 - Dec 31		
Miami blue host cat's claw													Jan 1 - Dec 31		
Schaus swallowtail butterfly egg													Apr 1 - Jul 31	E	E

Precipitation Outlook -->



Precipitation Outlook for Species

	Normal	Dry	Wet	Wet	Wet	Wet									
Invertebrate (Cont.)															
alphabetically by common name	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Species Season	Fed	FL
Highlands tiger beetle egg	/												May 1 - Jul 31	C	
larva													Jun 1 - Jan 31		
pupa*													Apr-May, Jun-Mar		
adult													May 1 - Aug 31		
Stock Island tree snail	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		T	E

¹ Important Seasons: include (1) pre-nesting/denning/calving (e.g., courtship, site selection, nest building), (2) nesting, and (3) post nesting (e.g., young dependent on natal area) periods.

² Status: Federal under Endangered Species Act and Florida State: E-Endangered, T-Threatened, C-Candidate, CH-Critical Habitat designated for Florida

BEPA - Bald and Golden Eagle Protection Act

All avian species also protected under Migratory Bird Treaty Act

West indian manatee also protected under Marine Mammal Protection Act

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