

Corn from July 1 to October 15: 15.61 inches/ yea
 Peanut from April 1 to October 31: 9.59 inches/ year
 Melons from February 28 to July 1: 9.13 inches/ year
 Winter forage from November 1 to March 31: 3.88 inches/ year
 Winter forage from November 1 to February 28: 2.03 inches/ year
 Sorghum from July 1 to October 15: 1.50 inches/ year

PERMIT APPLICATION REVIEW:

Staff have determined this application meets the conditions for issuance set forth in section 373.223, Florida Statutes and rule 40B-2.301, Florida Administrative Code. A summary of the staff review is provided below:

Project withdrawals were modeled and showed a simulated Upper Floridan aquifer drawdown of less than 0.5 feet at the project boundary. Therefore, groundwater withdrawals at this project are not expected to interfere with any presently existing legal uses of water, or cause harm to natural systems or the water resources of the area.

Water use consistent with the aforementioned supplemental irrigation model is economic and efficient. The permittee will implement the following water conservation measures for the agricultural uses: checking periodically for irrigation leaks and repairing them as needed, adding a new pivot and/or retrofitted system, efficiency testing the pivot to ensure that an 80% distribution uniformity will be maintained, using soil moisture probes for irrigation scheduling, using operational pump shutdown safety to prevent pump operation in the event of irrigation system shutdown, using cover crops and conservation tillage to increase soil health and soil water holding capacity, using a sod-based rotation with a minimum of 2 years sod in a 4 year rotation, and making sure that the automated end gun shutoff works properly and waters only target crops.

The proposed withdrawals are in accordance with MFLs and MFL recovery strategies pursuant to Chapters 62-42 and 40B-8, F.A.C.; and Emergency Rule 40BER17-01. Additionally, cumulative reductions in flow from the allocation were evaluated at the Outstanding Florida Springs (OFS) and no measurable reductions were recorded. No OFS listed in 40BER17-01 has an estimated cumulative flow decline of 9.9%.

WITHDRAWAL POINT INFORMATION:

Site Name: Gail Asbell Farm

Well Details						
District ID	Station Name	Casing Diameter (inches)	Capacity (GPM)	Source Name	Status	Use Type
34951	SF 129 Well	8	750	FAS - Upper Floridan Aquifer	Active	Agricultural