

Policy Questions to Consider:

1. How are the ranges of water quality objectives to be established? Are beans the correct commodity to protect? (Comment 1)
2. What is the appropriate level of crop protection, 100%, 95%, 90%, other, and how is the level to be established? (Comment 22)
3. What is the appropriate measure of precipitation to include in a modeling approach, 5% of median, median, mean, other, that allows the model to take advantage of the sensitivity of results to changes in the value used for precipitation? (Comment 5)
4. Can the model take advantage of operations that blend water (SJR, DMC, groundwater) to change the EC of irrigation water and therefore the crop ET? How is blending to be incorporated? (Comment 6)
5. Can the model output be based on the exponential moisture extraction pattern rather than the 40-30-20-10 pattern? What is the justification?
6. If greater (e.g. 10% of the median) precipitation, or variable precipitation is used in the model, is there rationale that will allow the leaching fraction be lowered accordingly?
7. Does the LSJRC use the crop coefficients from the current staff report to run the Hoffman model?
8. Will there be any relaxation of objectives under drought or other conditions?
9. Is the 30-day running average period acceptable? Should there be any maximum values?

Figure 5.3. Crop coefficients (Kc) for different growth and development periods of bean with April 1st planting date (Goldhamer and Snyder, 1989) used in steady state modeling. (Adapted from Hoffman, 2010).

