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Raising crops in irrigated soils almost always presents challenges, and sugarbeets are no exception. Over the past several years, growers in the Treasure Valley of Western Idaho have experienced lower than normal rainfall resulting in drought conditions over much of the growing area. Some growers have been forced to choose between which crops to grow as a result. For some, giving up sugarbeets for a season or two is not an option and the thirst for information of the moisture needs for the crop is high. This trial looked at differing water “cutoff dates” to illustrate how a particular variety would react under varying drought conditions.