Agricultural Management Assistance (AMA)
Application Ranking Worksheet

Owner / Operator: _____ *0* _____

1. Available Water Capacity (Soil and Crop Factor)

Note: This table is automatically filled in & the AWC score computed once the Crops worksheet is completed.

Crop	Acres	AWC by Crop

Total Acres: _____ **ac.**

Weighted Average AWC: _____ **in.**

AWC SCORE: _____

Note: AWC Score is equal to 30 / Weighted AWC

2. Crop Factor

Note: The crops and acres are filled in from the Crops worksheet. Choose the appropriate Crop Type for each crop. Points are as follows: 10 points for Food or fiber for human consumption; 5 points for Forage or feed for livestock consumption; 1 point for all others (eg, tobacco, ornamentals, herbs for medicinal purposes, etc)

Crop	Acres	Crop Type	Points

Weighted Average Crop Points (Crop Score): _____

3. Irrigation System Factor

Owner / Operator: _____ *0* _____

Note: Points are computed as follows: 10 points for new system (no acres currently irrigated); 7 points for an expanded system (proposed acres greater than current acres); 4 points for improved system (proposed acres same or less than current acres)

How many acres are currently irrigated on the acres covered under this application? [ ] **ac.**

How many total acres are proposed to be irrigated on the acres covered under this application? *(Note: this is filled in from the total acres in section 1 above)* [ ] **ac.**

Irrigation System Factor Score: _____

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4. Water Source Evaluation Factor

Note: To evaluate the water source, first complete the Crop worksheet and the irrigation Water Needs worksheet to determine the required volume, recharge, and capacity, as applicable. Then evaluate the adequacy of an existing water source or availability of a new source by geologic investigation.

Water Source Description:

_____ _____

Note: Points as follows: 10 points for completely available source; 7 points for source that needs improvement or enlargement, 4 points for source that needs development (new source), and if adequate water source is not available, project is not feasible and grower is not eligible.

Summary of Score

AWC Score: _____
Crop Score: _____
Irrigation System Score: _____
Water Source Score: _____

Preliminary
TOTAL SCORE: **0.00**

Irrigation System Planning

Owner / Operator: _____

Soil Survey Area: _____

Crop 1: _____ **Effective Rooting Zone (in):** _____ **Irrigation Type:** _____

Crop Cu: _____ **Percent Wetted:** _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								**0.00**
*** Weighted Averages:**			*			*	*	*	

Crop 2: _____ **Effective Rooting Zone (in):** _____ **Irrigation Type:** _____

Crop Cu: _____ **Percent Wetted:** _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								**0.00**
*** Weighted Averages:**			*			*	*	*	

Crop 3: _____ **Effective Rooting Zone (in):** _____ **Irrigation Type:** _____

Irrigation System Planning

Owner / Operator: _____

Soil Survey Area: _____

Crop Cu: _____ Percent Wetted: _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								0.00
	* Weighted Averages:		*			*	*	*	

Crop 4: _____ Effective Rooting Zone (in): _____ Irrigation Type: _____

Crop Cu: _____ Percent Wetted: _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								0.00
	* Weighted Averages:		*			*	*	*	

Crop 5: _____ Effective Rooting Zone (in): _____ Irrigation Type: _____

Crop Cu: _____ Percent Wetted: _____

Irrigation System Planning

Owner / Operator: _____

Soil Survey Area: _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								**0.00**
*** Weighted Averages:**			*			*	*	*	

Crop 6: _____ **Effective Rooting Zone (in):** _____ **Irrigation Type:** _____

Crop Cu: _____ **Percent Wetted:** _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								**0.00**
*** Weighted Averages:**			*			*	*	*	

Crop 7: _____ **Effective Rooting Zone (in):** _____ **Irrigation Type:** _____

Crop Cu: _____ **Percent Wetted:** 100%

Efficiency: _____

Irrigation System Planning

Owner / Operator: _____

Soil Survey Area: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								0.00
* Weighted Averages:			*			*	*	*	

Crop 8: _____ **Effective Rooting Zone (in):** _____ **Irrigation Type:** _____

Crop Cu: _____ **Percent Wetted:** _____

Efficiency: _____

Reference No.	Soil Symbol	Acres	AWC (inches)	MAD Level (%)	Max Appl. Rate (in/hr)	Net Irrigation Depth (in)	Days Between Irrigation	Gross Irrigation Depth (in)	Water Needs (ac-in / irrig.)
	Totals:								0.00
* Weighted Averages:			*			*	*	*	

Summary of Water Needs for Irrigation
(Single System)

Owner / Operator: _____

Volume of Water needed for each Irrigation

Crop	Acres	Water Needs per Irrigation		Daily Water Needs, Cu (in/day)	Irrigation Efficiency	Water Needed to Replace Daily Crop Use (gal)
		Acre-inches	Gallons			
Totals per Irrigation:	**0**	**0.0**	**0**			**0**
		*	*			*

(* rounded)

System Capacity Requirements

To compute System Capacity	To compute Operating Hours per Day
Available Operating Hours per Day: _____	**Required Operating Hours per Day:** _____
Overall Required System Capacity: _____ **gpm**	**Available System Capacity:** _____ **gpm**
_____ **cfs**	_____ **cfs**

Crop	Acres	Acre-inches	Days Between Irrigations
Totals per Irrigation:	**0**	**0.0**	

Summary of Water Needs for Irrigation

System 1: _____

Owner / Operator: _____

Volume of Water needed for each Irrigation

Crop Number	Crop	Acres	Water Needs per Irrigation		Daily Water Needs, Cu (in/day)	Irrigation Efficiency	Water Needed to Replace Daily Crop Use (gal)
			Acre-inches	Gallons			
	Totals per Irrigation:	0	0.0 *	0 *			0 *

(* rounded)

System Capacity Requirements

To compute System Capacity	To compute Operating Hours per Day
Available Operating Hours per Day: _____	Required Operating Hours per Day: _____
Overall Required System Capacity: _____ gpm	Available System Capacity: _____ gpm
_____ cfs	_____ cfs

Crop Number	Crop	Acres	Acre-inches	Days Between Irrigations
	Totals per Irrigation:	0	0.0	

Summary of Water Needs for Irrigation

System 2: _____

Owner / Operator: _____

Volume of Water needed for each Irrigation

Crop Number	Crop	Acres	Water Needs per Irrigation		Daily Water Needs, Cu (in/day)	Irrigation Efficiency	Water Needed to Replace Daily Crop Use (gal)
			Acre-inches	Gallons			
	Totals per Irrigation:	0	0.0 *	0 *			0 *

(* rounded)

System Capacity Requirements

To compute System Capacity	To compute Operating Hours per Day
Available Operating Hours per Day: _____	Required Operating Hours per Day: _____
Overall Required System Capacity: _____ gpm	Available System Capacity: _____ gpm
_____ cfs	_____ cfs

Crop Number	Crop	Acres	Acre-inches	Days Between Irrigations
	Totals per Irrigation:	0	0.0	