

Grade Control Structure Design Information Sheet

SI Units

This worksheet is a supplement to Publication 832: Agricultural Erosion Control Structures: A Design and Construction Manual.

Design Parameters for Grade Control Structures

No.	Description	Input Value
1	Watershed area	_____ ha
2	Average grade of watershed	_____ %
3	Runoff curve number from Tables 2.2 – 2.4	_____
4	Peak flow from watershed for a 10-year storm from Table 2.5-M to 2.11-M	_____ m ³ /s
5	Grassed waterway dimensions (where applicable)	T = _____ m D = _____ m
6	Grade control structure vertical drop	_____ m
7	Grade control structure weir design from Table 4.23-M	Weir width (W): _____ m Water depth (D): _____ m Weir flow: _____ m ³ /s