



The Easy Mire Calculator

(Free electronic version here: <https://mire-calculator.vercel.app>)

GVM (Maximum Loaded Weight of Vehicle) _____ kgs

Angle resistance ((GVM x (Angle x 0.02))
 10 Degrees GVM x 0.2
 20 Degrees GVM x 0.4
 30 Degrees GVM x 0.6 _____ kgs
 40 Degrees GVM x 0.8
 50 Degrees GVM x 1.0

Surface Modifier (GVM x Surface Modifier)
 Hard Packed Dirt, Pavement GVM x 0.1
 Gravel, Grass, Hard/Wet Sand GVM x 0.2
 Thin Mud, Dry Sand GVM x 0.3 + _____ kgs
 Thick Mud/Soft Wet Clay GVM x 0.4
 Sticky Mud/Clay GVM x 0.5

Mire Depth Modifier (GVM x Mire Depth Modifier)
 Wheel Depth Modifier GVM x 1.0
 Hub/Frame Depth GVM x 2.0 + _____ kgs
 Body/Hood Depth GVM x 3.0

Estimated Resistance (Angle + Surface + Mire) = _____ kgs

20% Safety Margin (Estimated Resistance x 0.2) + _____ kgs

Total Estimated Resistance = _____ kgs

Mud resistance guide	
Mire Depth	Mire Factor
Hubs	1
Wheel wells	2
Fender line	3

