

23. 73 tons (Unit 8, p. 2)
 Click on "RUSLE"
 Cursor down to "Run RUSLE"
 Select "Construction Sites"
 Input Variables
1. County = Ingham
 2. Soil = Marlette sandy loam
 3. Slope = 3%
 4. Slope Length = 400 feet
 5. C Factor = No Mulch
- Click on "Calculate" = 18.24 tons/acre
 $18.24 \text{ tons/acre} \times 4 \text{ acres} = 73 \text{ tons}$
24. 4.4 tons
 Same as #23, except select
 C Factor = straw/mulch, 1.5 tons/acre,
 1-5% slope, length = 400 feet
 Click on "Calculate" = 1.09 tons/acre
 $1.09 \text{ tons/acre} \times 4 \text{ acres} = 4.4 \text{ tons}$
25. less
- The rainfall (R) erosivity is smaller for
 Luce County (75) than for Ingham
 County (95).
26. 9 inches lower
 (Unit 2, p. 8)
27. 18.25 cfs
 (Unit 7, p. 5; p. 7, Step 5)
- Table 3: 8% slope and flow length of
 1000 feet results in 1.46 cfs/acre/inch
- Entire site = 1.46 cfs/acre/inch x
 25 acres x 0.5 inches of runoff =
 18.25 cfs
28. 500 feet or one acre
 (Adm. Rule 1704)
29. 30 calendar days
 (Part 91 – Section 9112(1))
30. shortest
 (Adm. Rule 1709(1))
31. non-erosive
 (Adm. Rule 1709(3))
32. 5 calendar days
 (Adm. Rule 1709(5))
33. erosion; sedimentation
34. Cease and Desist Order
 (Adm. Rule 1712)
35. Conservation District
 (Part 91 – Section 9109(2))