The Iowa Watershed Approach

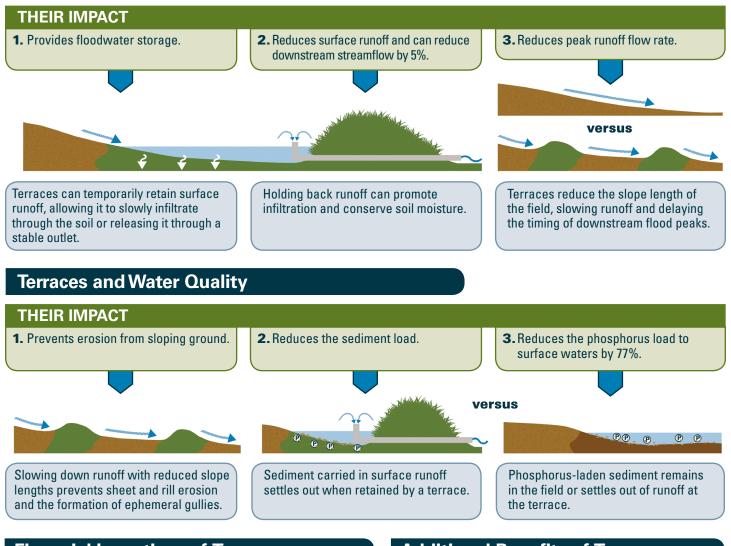
Terraces

What are terraces?

A terrace is an earthen embankment constructed across a field slope, typically following the contour, and can be designed to temporarily store runoff or convey runoff to waterways. Terraces break up the slope length of the field into multiple shorter slope sections, slowing the flow rate of runoff, **reducing sheet and rill erosion** and **preventing the formation of ephemeral gullies**. As terraces temporarily store and slowly infiltrate or discharge runoff, they conserve soil moisture, **reduce streamflow by 5%**, allow sediment to settle out, and **reduce phosphorus loads by 77%**. Terraces improve the ability to farm slopes and are designed based on equipment needs. Additionally, terrace vegetation can provide cover for wildlife. Terraces should be used in conjunction with other soil conservation practices on the landscape to prevent sedimentation.



Terraces and Flood Reduction



Financial Incentives of Terraces

The **lowa Watershed Approach provides 90% cost share** for terraces. See your Soil and Water Conservation District or Natural Resources Conservation Service for other cost share opportunities.



Additional Benefits of Terraces

- When used in combination with no-till and cover crops, terraces help keep soil in place and improve soil health.
- Terraces can conserve soil moisture within a field.
- Vegetation within a grassed frontslope or backslope can provide cover and nesting habitat for small animals and birds.
- Terraces improve the ability to farm slopes.
- Spacing and orientation of terraces can be designed to accommodate equipment size.

For more information on the Iowa Watershed Approach visit: www.iowawatershedapproach.org

www.extension.iastate.edu/waterquality

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