

Irrigation Water Conveyance, Ditch and Canal Lining, Galvanized Steel

PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 428C



DEFINITION

A Galvanized Steel lining of a ditch or canal is a fixed layer of galvanized steel installed to reduce seepage in an existing or newly constructed ditch, canal or lateral.

PRACTICE INFORMATION

This practice applies to linings made of steel that have been galvanized for protection from rust and corrosion.

Lined ditches and canals help to improve efficient use and conservation of our irrigation water supplies. The purposes of lining ditches and canals are to prevent water logging, reduce erosion, and reduce water loss from seepage.

Lined ditches and canals should be installed in locations that are not susceptible to side drainage flooding or be protected from such damage. Steel linings should not be installed in areas high in salt or other chemical concentrations considered injurious to galvanized steel. If installations become necessary in those locations, the lining must be protected with coatings or anodic protection designed to protect the specific lining material.

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.