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## Title: KATCHEM

**Theme keywords:** Chemigation, Kansas Water Quality Action Targeting System

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### Identification Information

#### Citation Information

**Originator:** Kansas Department of Health and Environment (KDHE) and the Kansas Water Office (KWO)

**Publication Date:** 1996

**Online linkage:** <http://gisdasc.kgs.ukans.edu>

#### Point of Contact:

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**Time Period of Content/Currentness Reference:** publication date

**Native Data Set Environment:** Arc/Info

#### Status

**Progress:** available

**Maintenance & Update Frequency:** Unknown

#### Spatial Domain

##### Bounding coordinates

*North:* 41.0      *East:* -94.0

*South:* 36.0      *West:* -104.0

**Geographic Area:** Kansas

#### Description

**Abstract:** Compiled source materials to represent potential chemigation hazard from irrigation.

**Purpose:** Resource element dataset for the KATS system to target valuable or vulnerable water resources for water quality assessment evaluation.

**Access Constraints:** None

**Use Constraints:** This tool should only be used for preliminary assessment and is inappropriate for small-scale analyses. Data is current as of publication date. KDHE and KWO are not responsible for database integrity following download and publication. To be used at minimum scale of 1:100,000.

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### Data Quality Information

#### Lineage:/Source Information

**Type of source media:** DLG, Scanned Maps, EPA RF-3

**Source scale denominator:** 1:500,000, 1:100,000, 1:24,000

**Source citation abbreviation:** Kansas Department of Agriculture, Division of Water Resources

**Attribute Accuracy:/Attribute Accuracy Value:** Variable dependent upon currency of source material. See KATS project documentation for component synthesis procedures.

**Attribute Accuracy Report:** Irrespective of source or form, raw values for each water resource element were aggregated within a HUC 11 unit and normalized to a 5-point nominal scale, see normalized or ranked values. See KATS project documentation for component synthesis procedures.

**Positional Accuracy:/Horizontal Positional Accuracy:/Horizontal Positional Accuracy Value:** not applicable

**Horizontal Positional Accuracy Report:** All water resource elements used in the KATS system have been aggregated to HUC 11 areal units. Refer to HUC 11 metadata report for horizontal accuracy criteria.

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### Spatial Data Organization Information

**Direct Spatial Reference Method/Raster or Vector Object Type:** Vector

### Spatial Reference Information

**Horizontal Coordinate System Definition/Map Projection:** Lambert Conformal Conic

*1st Standard Parallel:* 33 0 0.000

*2nd Standard Parallel:* 45 0 0.000

*Central Meridian:* -98 15 0.000

*Latitude of Projection Origin:* 36 0 0.000

*False Easting:* 0 meters

*False Northing:* 0 meters

**Geographic/Map Coordinate Units:** Meters

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### Entity and Attribute Information

**Overview Description:/Entity and Attribute Overview:**

TOTCHM - Number of irrigation points with potential for chemigation

CHMDEN - Chemigation potential per square mile in each Huc-11 Watershed

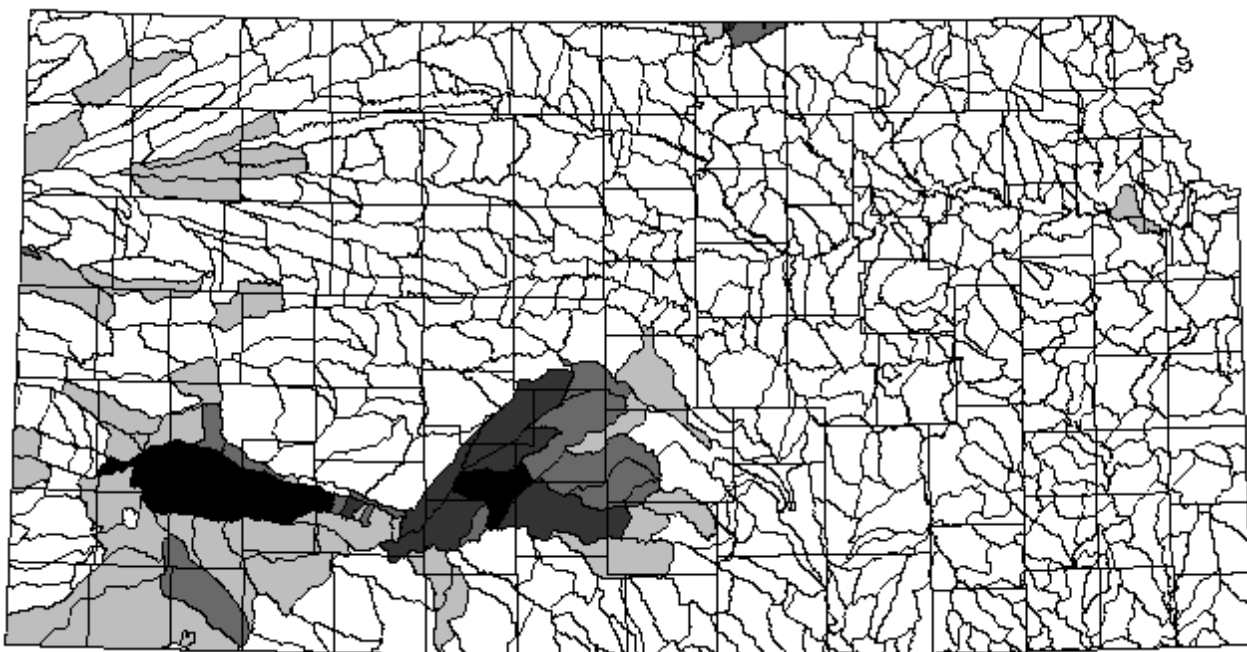
\*\*CHMDENNS - Normalized chemigation hazard for each Huc-11 Watershed

\*\*CHMDENRS - Ranked chemigation hazard score, use for individual element assessment only

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**Browse Graphic File Description:** Huc-11 Watershed areas are shaded by values in the CHMDEN field which defines the chemigation potential per square mile in each Huc-11 Watershed.



White = 0 - 0.037, Light Gray = 0.037 - 0.132, Medium Gray = 0.132 - 0.262, Dark Gray = 0.262 - 0.511, Black = 0.511 - 1.236

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### Standard Order Process

#### Digital Form/Digital Transfer Information

**Format Name:** Arc/Info Interchange

**Transfer Size:** 5.4 MB

**Format Information Content:** Tiled by the State of Kansas.

### Digital Transfer Option

#### Online Option

**Network Address:** <http://gisdasc.kgs.ukans.edu>

**Access Instructions:** The State of Kansas KAT'S Chemigation Hazard from Irrigation coverage is stored in ESRI's Arc/Info Interchange Format and can be downloaded from the DASC home page or by connecting directly to the DASC anonymous FTP server at [gisdasc.kgs.ukans.edu](http://gisdasc.kgs.ukans.edu). To connect to the FTP server use the login name of anonymous and your E-mail address as the password.

**Offline Option/Offline Media:** 3.5" disk, CD, 8 mm or 4 mm cartridge tape, Zip disk