

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
CASTRO COUNTY --- 7.0 NE DIMMITT [34.62, -102.23], HART [34.38, -102.12]				
	10/10/07 18:07 CST		5K	Hail (1.00 in)
	10/10/07 18:32 CST		4.50M	Source: Law Enforcement
<p>A severe thunderstorm produced a swath of nickel to quarter size hail, at times accompanied by severe winds, from near Dimmitt to Hart. Initial reports indicated that nickel size hail began near a farm northeast of Dimmitt at 18:07 CST. By 18:13 CST, quarter size hail was reported in Nazareth. Hailstones of unknown size, driven by severe winds, destroyed at least 5,000 acres of corn and cotton crops near Hart around 18:30 CST.</p>				
CASTRO COUNTY --- 3.9 ESE DIMMITT [34.54, -102.25], 4.6 E DIMMITT [34.54, -102.24], 5.8 E DIMMITT [34.54, -102.22], 4.2 W NAZARETH [34.54, -102.17]				
	10/10/07 18:15 CST		0	Flood (due to Heavy Rain)
	10/10/07 23:10 CST		0	Source: Newspaper
<p>Local newspaper reports indicated that high water and hail ponded over Texas Highway 86 between Dimmitt and Nazareth. The highway was closed by local authorities for several hours.</p>				
CASTRO COUNTY --- 3.0 N HART [34.42, -102.12], HART [34.38, -102.12]				
	10/10/07 18:30 CST		0.18M	Thunderstorm Wind (MG 61 kt)
	10/10/07 18:40 CST	1	0.50M	Source: Mesonet
<p>The Texas Tech University West Texas Mesonet site north of Hart recorded a 70 mph thunderstorm wind gust at 18:35 CST. The winds, accompanied by large hail, caused moderate damage and one minor injury. A number of telephone poles were blown down, and several center pivot irrigation systems were destroyed. A tractor trailer was blown off of Texas Highway 194 near Hart, and the driver was treated for minor injuries. Reports additionally indicated that a cotton trailer was blown into and damaged another tractor trailer.</p>				
HALE COUNTY --- 10.0 NW HALFWAY [34.28, -102.07], 1.7 NE COTTON CENTER [34.02, -101.98]				
	10/10/07 18:50 CST		10K	Hail (1.75 in)
	10/10/07 19:35 CST		13M	Source: Newspaper
<p>A devastating hail swath accompanied a severe thunderstorm that moved southeastward from portions of Castro County over much of western Hale County. Wind blown large hail destroyed more than 15,000 acres of cotton and corn crops from west of Edmonson to near Cotton Center. The cotton crops were mature, and were less than two weeks from harvest. The worst damage occurred near Mayfield, where giant hail combined with damaging winds.</p>				
HALE COUNTY --- 10.0 NW HALFWAY [34.28, -102.07], 3.1 NNW COTTON CENTER [34.04, -102.01]				
	10/10/07 18:50 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	10/10/07 19:35 CST		1M	Source: Newspaper
<p>Damaging thunderstorm winds accompanied the destructive hail over much of western Hale County. At least ten wood utility poles were snapped along U.S. Highway 70 and Farm to Market Road 179 near Halfway. Also, several irrigation systems were destroyed. The wind additionally increased the destructiveness of the hail's impact on cotton crops.</p>				
HALE COUNTY --- HALFWAY [34.18, -101.95], 4.1 W HALFWAY [34.19, -102.02], 2.1 WNW HALFWAY [34.19, -101.99], 0.6 NNW HALFWAY [34.19, -101.95]				
	10/10/07 19:00 CST		0	Flood (due to Heavy Rain)
	10/11/07 10:00 CST		0	Source: NWS Storm Survey
<p>Heavy rain and hail resulted in ponding water over many roadways and highways in western Hale County. Water covered portions of U.S. Highway 70 near Halfway through much of the morning hours on the 11th.</p>				
HALE COUNTY --- 5.0 SSW HALFWAY [34.11, -101.98], 4.1 N COTTON CENTER [34.06, -102.00]				
	10/10/07 19:15 CST		10K	Hail (2.75 in)
	10/10/07 19:25 CST		1K	Source: Broadcast Media
<p>Multiple reports indicated that giant hail up to the size of baseballs combined with damaging thunderstorm winds to result in extreme damage to cotton crops along Farm to Market Road 179 from south-southwest of Halfway to Mayfield. Only stalks were left standing in fields and windows were broken in a number homes. Hail up to the size of golfballs remained covering the ground the following morning.</p>				
LAMB COUNTY --- 2.0 E FIELDTON [34.03, -102.19], 3.7 ESE HART CAMP [34.00, -102.09]				
	10/10/07 19:38 CST		3K	Hail (1.75 in)
	10/10/07 19:55 CST		5M	Source: Law Enforcement

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Law enforcement officials and local newspaper accounts indicate that a swath of large hail up to the size of golfballs accompanied a severe storm in eastern Lamb County. The hail caused significant damage to cotton crops roughly along Farm to Market Road 37 from just east of Fieldton to near the Lamb and Hale County line. Approximately 5,000 acres of cotton were destroyed. The hail also reportedly broke windows in at least one vehicle.

HALE COUNTY --- 4.9 W COTTON CENTER [34.01, -102.08], 1.7 WSW COTTON CENTER [33.99, -102.03]

	10/10/07 19:40 CST		0	Hail (1.75 in)
	10/10/07 19:55 CST		5M	Source: Newspaper

Newspaper articles described a swath of hail that damaged cotton crops roughly along Farm to Market Road 37 west of Cotton Center. This hail accompanied a severe storm that developed over eastern Lamb County and moved southeastward into western Hale County.

LUBBOCK COUNTY --- NEW DEAL [33.73, -101.83]

	10/10/07 20:51 CST		0	Hail (0.88 in)
	10/10/07 20:51 CST		0	Source: Storm Chaser

Nickel size hail was reported in New Deal by storm chasers.

A round of severe thunderstorms, including a few supercells, impacted portions of the South Plains during the evening hours of the 10th. These storms had a devastating impact on portions of the region's cotton production, with more than 30,000 acres of cotton destroyed by a swath of wind-blown hail over parts of Castro, Hale, and Lamb Counties. Total economic losses totaled more than \$30 million. One man was injured when his tractor trailer semi-truck was blown off of Texas Highway 194 near Hart (Castro County).

LYNN COUNTY --- 4.0 W TAHOKA [33.18, -101.85], 5.7 E NEW MOORE [33.02, -101.93]

	10/01/07 15:22 CST		0	Hail (1.00 in)
	10/01/07 15:47 CST		0	Source: Law Enforcement

Law enforcement officials reported that quarter sized hail fell along U.S. Highway 380 west of Tahoka from an isolated severe thunderstorm that had developed over central Lynn County. The storm continued to produce quarter size hail as it slowly moved southward. Law enforcement officials reported quarter size hail between New Moore and O'Donnell at 15:47 CDT.

BAILEY COUNTY --- MAPLE [33.85, -102.90]

	10/01/07 15:27 CST		5K	Hail (2.50 in)
	10/01/07 15:27 CST		0	Source: Law Enforcement

Law enforcement officials reported that tennis ball size hail fell in the community of Maple from an isolated severe thunderstorm over southern Bailey county. No significant damage was reported.

During the afternoon hours of the 11th, several isolated thunderstorms developed over the South Plains of west Texas. Some of these thunderstorms became severe and produced large hail over Lynn and Bailey Counties. The storms quickly subsided during the early evening hours.

SWISHER COUNTY --- 1.0 S HAPPY [34.72, -101.85]

	10/16/07 22:40 CST		0	Hail (1.00 in)
	10/16/07 22:40 CST		0	Source: Fire Department/Rescue

A member of the Happy Fire Department reported quarter size hail immediately east of the city.

A cluster of severe thunderstorms, some with supercell structures, developed over the southern Texas Panhandle during the late evening hours of the 16th. Some of these storms went on to produce damaging tornadoes in the south-central Texas Panhandle.