## TEXAS WEATHER MODIFICATION ASSOCIATION

10 - Year TWMA Increase


10-Year Enhanced Recharge of the


Roughly 100,000 acre-feet
of additional recharge can be expected from weather modification over karst aquifers in a semi - arid climate.

5 - Year Moving Average of Percent of Normal Rainfall within (blue) vs. outside (red) of the WTWMA Target Area


Since 2004, within the target area, percent of normal rainfall was $102 \%$, with only $89 \%$ of normal outside of the target area.


DIFFERENCE



## TEXAS WEATHER MODIFICATION ASSOCIATION PROGRAM TARGET AREAS

 South Texas Weather Modification Association

## For \$0.04/Acre

one additional inch of precipitation can bring benefits of
\$3-\$6 MILLION

One additional inch of water can improve the four major crops grown in West Texas by

## $\$ 10$ <br> - \$34/Acre

For every dollar spent, one additional inch of precipitation from weather medication will have a return of
\$19-\$38
johnson's (2014) benefit cost analysis are consistent with Wyatt and Carver's (1997) study
and Johnson's (2001) study.

