

## USDA Climate Hubs

### FY23 Q4 Publications

#### White papers and grey literature

Region	Product	Title and Links
CAR	Report	<p>National Integrated Drought Information System (NIDIS), National Oceanic and Atmospheric Administration (NOAA) National Weather Service, the U.S. Department of Agriculture (USDA), and the University of the Virgin Islands. (2023) <b>August</b> Drought Update for Puerto Rico and the U.S. Virgin Islands. Available at: <a href="https://myemail.constantcontact.com/August-2023-Puerto-Rico-and-USVI-Drought-Update.html?soid=1107257096495&amp;aid=VB-yUQ8yp7Q">https://myemail.constantcontact.com/August-2023-Puerto-Rico-and-USVI-Drought-Update.html?soid=1107257096495&amp;aid=VB-yUQ8yp7Q</a></p>
CAR	Report	<p>National Integrated Drought Information System (NIDIS), National Oceanic and Atmospheric Administration (NOAA) National Weather Service, the U.S. Department of Agriculture (USDA), and the University of the Virgin Islands. (2023) <b>Actualización del estado de la sequía en Puerto Rico y las Islas Vírgenes de EE. UU. de August 2023</b> Available at: <a href="https://myemail.constantcontact.com/Agosto---de-2023-Actualizaci-n-del-estado-de-la-sequ-a-en-Puerto-Rico-y-las-Islas-V-rgenes-de-EE--UU-.html?soid=1107257096495&amp;aid=d1IAUqHaNbQ">https://myemail.constantcontact.com/Agosto---de-2023-Actualizaci-n-del-estado-de-la-sequ-a-en-Puerto-Rico-y-las-Islas-V-rgenes-de-EE--UU-.html?soid=1107257096495&amp;aid=d1IAUqHaNbQ</a></p>
CAR	Report	<p>National Integrated Drought Information System (NIDIS), National Oceanic and Atmospheric Administration (NOAA) National Weather Service, the U.S. Department of Agriculture (USDA), and the University of the Virgin Islands. (2023) <b>September</b> Drought Update for Puerto Rico and the U.S. Virgin Islands. Available at: <a href="https://myemail.constantcontact.com/September-2023-Puerto-Rico-and-USVI-Drought-Update.html?soid=1107257096495&amp;aid=y4LfRi9tfk8">https://myemail.constantcontact.com/September-2023-Puerto-Rico-and-USVI-Drought-Update.html?soid=1107257096495&amp;aid=y4LfRi9tfk8</a></p>
CAR	Report	<p>National Integrated Drought Information System (NIDIS), National Oceanic and Atmospheric Administration (NOAA) National Weather Service, the U.S. Department of Agriculture (USDA), and the University of the Virgin Islands. (2023) <b>Actualización del estado de la sequía en Puerto Rico y las Islas Vírgenes de EE. UU. de September 2023</b> Available at: <a href="https://myemail.constantcontact.com/Septiembre--de-2023-Actualizaci-n-del-estado-de-la-sequ-a-en-Puerto-Rico-y-las-Islas-V-rgenes-de-EE--UU-.html?soid=1107257096495&amp;aid=rTQ1iA_EIGg">https://myemail.constantcontact.com/Septiembre--de-2023-Actualizaci-n-del-estado-de-la-sequ-a-en-Puerto-Rico-y-las-Islas-V-rgenes-de-EE--UU-.html?soid=1107257096495&amp;aid=rTQ1iA_EIGg</a></p>
MW	Fact Sheet	<p><a href="https://www.climatehubs.usda.gov/sites/default/files/2023_09_29_MidwestFocusAgOutlook.pdf">https://www.climatehubs.usda.gov/sites/default/files/2023_09_29_MidwestFocusAgOutlook.pdf</a></p>
MW	Fact Sheet	<p><a href="https://www.climatehubs.usda.gov/sites/default/files/2023_09_06_MidwestFocusAgOutlook.pdf">https://www.climatehubs.usda.gov/sites/default/files/2023_09_06_MidwestFocusAgOutlook.pdf</a></p>
MW	Fact Sheet	<p><a href="https://www.climatehubs.usda.gov/sites/default/files/2023_07_28_MidwestFocusAgOutlook.pdf">https://www.climatehubs.usda.gov/sites/default/files/2023_07_28_MidwestFocusAgOutlook.pdf</a></p>
MW	Fact Sheet	<p><a href="https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-great-lakes-region-september-2023">https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-great-lakes-region-september-2023</a></p>
MW	Fact Sheet	<p><a href="https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-midwest-region-september-2023">https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-midwest-region-september-2023</a></p>
MW	Fact Sheet	<p><a href="https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-missouri-river-basin-september-2023">https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-missouri-river-basin-september-2023</a></p>

MW	Fact Sheet	<a href="https://www.drought.gov/drought-status-updates/drought-status-update-missouri-river-basin-2023-08-31">https://www.drought.gov/drought-status-updates/drought-status-update-missouri-river-basin-2023-08-31</a>
NE	Factsheet	<a href="#">Effects of Climate Change on Aquaculture in the Gulf of Maine</a>
NE	Factsheet	<a href="#">Coastal Forests: Vulnerability to Sea Level Rise</a>
NP	Newspaper Column	Kelley, W. 2023. "Connecting Ag & Climate," February 18th edition. Monthly column in the Wyoming Livestock Roundup (5,600 print subscribers & ~ 100 on-line subscribers)
NP	Newspaper Column	Kelley, W. 2023. "Connecting Ag & Climate," March 18th edition. Monthly column in the Wyoming Livestock Roundup (5,600 print subscribers & ~ 100 on-line subscribers)
NP	Bulletin	Environment and Climate Change Canada, Agriculture and Agri-Food Canada, et al. 2023. "PRAIRIES and HIGH PLAINS Weather and Climate Highlights and Impacts, June to August 2023, Climate Outlook, October to December 2023". Quarterly bulletin. <a href="https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-prairies-and-high-plains-september-2023">https://www.drought.gov/documents/quarterly-climate-impacts-and-outlook-prairies-and-high-plains-september-2023</a> .
NW	Web Article	<a href="#">USDA Northwest Climate Hub. 2023. Food Security and Climate Change in Alaska</a>
NW	Web Article	<a href="#">USDA Northwest Climate Hub. 2023. Agrivoltaics: Pairing Solar Power and Agriculture in the Northwest</a>
NW	Web Article	<a href="#">USDA Northwest Climate Hub. 2023. The Economic Impact of Climate Change on Northwest Farms</a>
NW	Web Article	<a href="#">USDA Northwest Climate Hub. 2023. El Niño in the Northwest: What Can We Expect?</a>
NW	Web Article	USDA Forest Service Rocky Mountain Research Station. Black to the Forest: Biochar At-A-Glance <a href="https://www.fs.usda.gov/research/rmrs/understory/biochar-glance">https://www.fs.usda.gov/research/rmrs/understory/biochar-glance</a>
NW	Web Article	Nez Perce Tribe Forest Management Climate Change Vulnerability Assessment (no publicly available version)
SE	Fact Sheet	SE Climate Hub and Virginia Department of Forestry. 2023. Virginia's Emerging Forest Threats. <a href="https://www.climatehubs.usda.gov/hubs/southeast/topic/emerging-forest-threats-state-fact-sheets">https://www.climatehubs.usda.gov/hubs/southeast/topic/emerging-forest-threats-state-fact-sheets</a>
SE	Fact Sheet	Silvopasture <a href="https://www.climatehubs.usda.gov/sites/default/files/Silvopasture%20Factsheet.pdf">https://www.climatehubs.usda.gov/sites/default/files/Silvopasture%20Factsheet.pdf</a>
SE	Fact Sheet	Soil Salinity and Salinization <a href="https://www.climatehubs.usda.gov/sites/default/files/Soil%20Salinity%20and%20Salinization%20Factsheet.pdf">https://www.climatehubs.usda.gov/sites/default/files/Soil%20Salinity%20and%20Salinization%20Factsheet.pdf</a>
SW	Fact Sheet	Connectivity Options for Ranch Management Technologies [Fact Sheet] ( <a href="https://southwestbeef.org/wp-content/uploads/Connectivity_options_508.pdf">https://southwestbeef.org/wp-content/uploads/Connectivity_options_508.pdf</a> )
SW	Fact Sheet	Drought Tools for Agricultural Producers [Fact sheet] ( <a href="https://swclimatehub.info/files/DroughtToolsandResources_AgProducersV2_cmp.pdf">https://swclimatehub.info/files/DroughtToolsandResources_AgProducersV2_cmp.pdf</a> )
SW	Case Study	Alessi, J. (2023). "Testing a Model for the Prediction of Isolated Waters in the Sonoran Desert." CART. Retrieved from <a href="https://arcg.is/0nH8uy">https://arcg.is/0nH8uy</a>
SW	Case Study	Alessi, J.,R. (2023). "Using Mulch and Compost for Rangeland Restoration." CART. Retrieved from <a href="https://arg.is/XYZ123">https://arg.is/XYZ123</a>

SW	Case Study	Cohen, S., Dinan, M. (2023). "Developing a Tool to Help Decision-Makers Navigate Complex Drought Scenarios." CART. Retrieved from <a href="https://arcg.is/OuLm8S">https://arcg.is/OuLm8S</a>
SW	Report	Brown, J., Ramsey, P. (2023). <i>COMET-Farm Tool Report</i> . USDA Natural Resources Conservation Service and USDA Southwest Climate Hub.

### Peer reviewed

Region	Product	Citation
CA	Research Article	Looney C.E., Stewart J.A.E., Wood K. Mixed-provenance plantings and climatic transfer distance affect the initial survival and growth of knobcone-Monterey hybrid pine, a fire-resilient alternative for reforestation. <i>New Forests</i> , DOI:10.1007/s11056-023-09991-9
CA	Research Article	Klingler K.B., Nichols L.B., Hekkala E.R., Stewart J.A.E., Peacock M.M. (2023) Life on the edge – a changing genetic landscape within an iconic American pika metapopulation over the last half century. <i>PeerJ</i> . 11, e15962.
CA	Research Article	Almaraz, M., Simmonds, M., Boudinot, F. G., Di Vittorio, A. V., Bingham, N., Khalsa, S. D. S., Ostojka, S.M., Scow, K., Jones, A., Holzer, I., Manaigo, E., Geoghegan, E., Goertzen, H., & Silver, W. L. 2023. Soil carbon sequestration in global working lands as a gateway for negative emission technologies. <i>Global Change Biology</i> , 00, 1– 11. <a href="https://doi.org/10.1111/gcb.16884">https://doi.org/10.1111/gcb.16884</a>
CAR	Research Article	<a href="https://www.researchgate.net/publication/373071709">Crespo, Johann &amp; Maldonado Silvestrini, Steve &amp; Gould, William. (2023). El curioso caso de Capsicum chinense (Solanaceae) en Puerto Rico: un fantasma botánico de amplio cultivo y consumo. Desde el Herbario CICY 15: 151-159 (10/agosto/2023) Centro de Investigación Científica de Yucatán, A.C. ISSN: 2395-8790. Available from: https://www.researchgate.net/publication/373071709 El curioso caso de Capsicum chinense Solanaceae en Puerto Rico un fantasma botanico de amplio cultivo y consumo [accessed Sep 08 2023].</a>
CAR	Research Article	<a href="https://hazards.colorado.edu/public-health-disaster-research/steep-risks">West, J., Rodriguez-Cruz, L. A., &amp; Hughes, K. S. (2023). Steep Risks: Assessing Social Vulnerability to Landslides in Rural Puerto Rico. Natural Hazards Center Public Health Report Series, 34. University of Colorado Boulder. https://hazards.colorado.edu/public-health-disaster-research/steep-risks</a>
NE	Research Article	Che, Y., R.M. Rejesus, M.A. Cavigelli, K.E. White, S. Aglasan, et al. 2023. Long-term economic impacts of no-till adoption. <i>Soil Security</i> 13: 100103. doi: 10.1016/j.soisec.2023.100103.
NE	Research Article	Schomberg, H.H., K.E. White, A.I. Thompson, G.A. Bagley, A. Burke, et al. 2023. Interseeded cover crop mixtures influence soil water storage during the corn phase of corn-soybean-wheat no-till cropping systems. <i>Agricultural Water Management</i> 278: 108167. doi: 10.1016/j.agwat.2023.108167.
NE	Research Article	O'Hara, J., Reyes, J., Knight, L.G., Brown, J. 2023. Why has the adoption of rotational grazing declined in parts of the United States?. <i>Rangelands</i> . ISSN 0190-0528. <a href="https://doi.org/10.1016/j.rala.2023.06.003">https://doi.org/10.1016/j.rala.2023.06.003</a> .

NW	Technical Report	Raymond, C., Peterson, D., Morgan, H., Halofsky, J. 2023. A Climate Resilience Guide for Small Forest Landowners in Eastern Washington. A Collaboration of the University of Washington Climate Impacts Group, the U.S. Forest Service, and the Northwest Climate Hub. <a href="https://cig.uw.edu/wp-content/uploads/sites/2/2023/09/EastSFLGuide-FinalEdits-091423.pdf">https://cig.uw.edu/wp-content/uploads/sites/2/2023/09/EastSFLGuide-FinalEdits-091423.pdf</a> .
SE	Research Article	Bian, Z.; Sun, G.; McNulty, S.; Pan, S.; Tian, H. 2023. Understanding the shift of drivers of soil erosion and sedimentation based on regional process-based modeling in the Mississippi River Basin during the past century. <i>Water Resources Research</i> 59:8, 1-14. <a href="https://doi.org/10.1029/2023WR035377">https://doi.org/10.1029/2023WR035377</a>
SE	Research Article	Franzluebbers, A.J. 2023. Root-zone enrichment of soil-test biological activity and particulate organic carbon and nitrogen under conventional and conservation land management. <i>Soil Science Society of America Journal</i> , 1 - 13. <a href="https://doi.org/10.1002/saj2.20574">https://doi.org/10.1002/saj2.20574</a>
SP	Research Article	Nyamuryekung'e, S.; Duff, G.; Utsumi, S.; Estell, R.; McIntosh, M.; Funk, M.; Cox, A.; Cao, H.; Spiegel, S.; Perea, A.; Cibils, A. 2023. Real-Time Monitoring of Grazing Cattle Using LORA-WAN Sensors to Improve Precision in Detecting Animal Welfare Implications via Daily Distance Walked Metrics. <i>Animals</i> 2023, 13(16), 2641. <a href="https://doi.org/10.3390/ani13162641">https://doi.org/10.3390/ani13162641</a>
SP	Research Article	McIntosh, M.M., A.F. Cibils, S. Nyamuryekung'e, R. E. Estell, A. R. Cox, D.M. Duni, Q. Gong, A. Waterhouse, J. Holland, H. Cao, L. Boucheron, H. Chen, S. Spiegel, G. Duff, S.A. Utsumi. 2023. Deployment of a LoRa-WAN near real-time precision ranching system on extensive desert rangelands: what we have learned. <i>Applied Animal Science</i> 39:349–361. <a href="https://doi.org/10.15232/aas.2023-02406">https://doi.org/10.15232/aas.2023-02406</a>
NF	Research Article	Janowiak, Maria; Clark, Peter; D'Amato, Anthony W.; Dallman, Matt; Handler, Stephen D.; Wikle, Jessica; Nagel, Linda; Peterson, Courtney. 2023. Lessons Learned from Climate Adaptation Projects in Northern Hardwood Forests. In: Kern, Christel C.; Dickinson, Yvette L., eds. <i>Proceedings of the first biennial Northern Hardwood Conference 2021: Bridging science and management for the future</i> . Gen. Tech. Rep. NRS-P-211. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station: 258-264. <a href="https://doi.org/10.2737/NRS-GTR-P-211-paper55">https://doi.org/10.2737/NRS-GTR-P-211-paper55</a> .
NF	Research Article	Handler, Stephen D.; Hutnik, Bradley M.; Lehner, Ashlee; Huseby, Matt; Tjader, Harvey. 2023. Lessons from the Land: A New Approach to Use Site-Level Information to Guide Climate Adaptation. In: Kern, Christel C.; Dickinson, Yvette L., eds. <i>Proceedings of the first biennial Northern Hardwood Conference 2021: Bridging science and management for the future</i> . Gen. Tech. Rep. NRS-P-211. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station: 265-270. <a href="https://doi.org/10.2737/NRS-GTR-P-211-paper56">https://doi.org/10.2737/NRS-GTR-P-211-paper56</a> .
SW	Research Article	Bestelmeyer, Brandon T., Santiago Utsumi, Sarah McCord, Dawn M. Browning, Laura M. Burkett, Emile Elias, Rick Estell et al. "Managing an arid ranch in the 21st century: New technologies for novel ecosystems." <i>Rangelands</i> (2023).
SW	Research Article	O'Hara, Jeffrey K., Julian Reyes, Lynn G. Knight, and Joel Brown. "Why has the adoption of rotational grazing declined in parts of the United States?." <i>Rangelands</i> (2023).
SW	Research Article	Islam, Khandaker Iftekharul, Emile Elias, Kenneth C. Carroll, and Christopher Brown. "Exploring Random Forest Machine Learning and Remote Sensing Data for

Streamflow Prediction: An Alternative Approach to a Process-Based Hydrologic Modeling in a Snowmelt-Driven Watershed." Remote Sensing 15, no. 16 (2023): 3999.

## Multimedia

Region	Product	Link
NE	Newsletter	<a href="https://www.mjt.lu/newsletter/quarterly-harvest-july-2023">The Quarterly Harvest   July 2023 (mjt.lu)</a>
NE	The Pulse - July 6	<a href="https://n151.mjt.lu/nl3/PgjVoycvFCu7LGcQQ3Qpw">https://n151.mjt.lu/nl3/PgjVoycvFCu7LGcQQ3Qpw</a>
NE	The Pulse - July 13	<a href="https://n151.mjt.lu/nl3/1U_Ifp6Cc3sXgx6wo3vl9w">https://n151.mjt.lu/nl3/1U_Ifp6Cc3sXgx6wo3vl9w</a>
NE	The Pulse - July 20	<a href="https://n151.mjt.lu/nl3/G7-uouSQdIUy0eUR3aMg">https://n151.mjt.lu/nl3/G7-uouSQdIUy0eUR3aMg</a>
NE	The Pulse - July 27	<a href="http://n151.mjt.lu/nl3/pUhOpAj4m15BgQZ60WLKUw">http://n151.mjt.lu/nl3/pUhOpAj4m15BgQZ60WLKUw</a>
NE	The Pulse - Aug 3	<a href="http://n151.mjt.lu/nl3/gVhQRJ7B_Zjibs3h0qYHGQ">http://n151.mjt.lu/nl3/gVhQRJ7B_Zjibs3h0qYHGQ</a>
NE	The Pulse - Aug 10	<a href="http://n151.mjt.lu/nl3/FoWow07gkunleHGu6RQ2Dw">http://n151.mjt.lu/nl3/FoWow07gkunleHGu6RQ2Dw</a>
NE	The Pulse - Aug 17	<a href="http://n151.mjt.lu/nl3/su_6Xz3hK_fmFNwoOtKsXQ">http://n151.mjt.lu/nl3/su_6Xz3hK_fmFNwoOtKsXQ</a>
NE	The Pulse - Aug 24	<a href="http://n151.mjt.lu/nl3/cWiSzD-h41DJma4L312LfQ">http://n151.mjt.lu/nl3/cWiSzD-h41DJma4L312LfQ</a>
NE	The Pulse - Aug 31	<a href="http://n151.mjt.lu/nl3/sezADqpFMNKG6j5NhSz3Bw">http://n151.mjt.lu/nl3/sezADqpFMNKG6j5NhSz3Bw</a>
NE	The Pulse - Sept 7	<a href="https://www.mjt.lu/newsletter/the-pulse-carbon-markets-for-small-landowners">The Pulse: Carbon markets for small landowners (mjt.lu)</a>
NE	The Pulse - Sept 14	<a href="https://www.mjt.lu/newsletter/the-pulse-un-stocktake-moose-parasites-and-elm-zigzag-sawfly">The Pulse: UN Stocktake, Moose parasites, and Elm Zigzag Sawfly (mjt.lu)</a>
NE	The Pulse - Sept 28	<a href="https://www.mjt.lu/newsletter/the-pulse-conservation-carbon-credits-and-biochar">The Pulse: Conservation, Carbon Credits and Biochar (mjt.lu)</a>
SP	Blog	Southern Plains Climate Hub 2023: Conflicting ag headlines can make you scratch your head. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Blog	Southern Plains Climate Hub 2023: Have you lost livestock due to heat? Now would be a good time to talk to the USDA Farm Service Agency. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Blog	Southern Plains Climate Hub 2023: Another week, another story about how the changing climate is impacting insurance. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Blog	Southern Plains Climate Hub 2023: Extreme weather continues making headlines in the region. Are we giving enough thought on how to get ready for it? <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Blog	Southern Plains Climate Hub 2023: Coming to a TV station near you-Severe Wildfire warnings. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Blog	Southern Plains Climate Hub 2023: Record rain, record heat, sudden changes and more wild weather on the way. When it comes to weather, “the Summer of surprises” keeps on surprising. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Podcast	Southern Plains Climate Hub 2023: Just sittin’ around repeating myself---we need to take extreme weather adaptation seriously because climate change is real and it’s

		having economic impacts!!! <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Podcast	Southern Plains Climate Hub 2023: #71, Mark Goeller, Oklahoma State Forester, Wildfire Warning System. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Podcast	Southern Plains Climate Hub 2023: Special Episode, Victor Murphy, National Weather Service. <a href="https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements">https://www.climatehubs.usda.gov/hubs/southern-plains/topic/latest-blogs-videos-podcasts-and-public-service-announcements</a>
SP	Newsletter	Southern Plains Climate Hub 2023: July Newsletter. <a href="https://www.climatehubs.usda.gov/content/july-newsletter-2023">https://www.climatehubs.usda.gov/content/july-newsletter-2023</a>
SP	Newsletter	Southern Plains Climate Hub 2023: August Newsletter. <a href="https://www.climatehubs.usda.gov/content/southern-plains-climate-hub-newsletter-august-2023">https://www.climatehubs.usda.gov/content/southern-plains-climate-hub-newsletter-august-2023</a>