

New World Screwworm

Cochliomyia hominivorax

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New Mexico Livestock Board (NMLB)

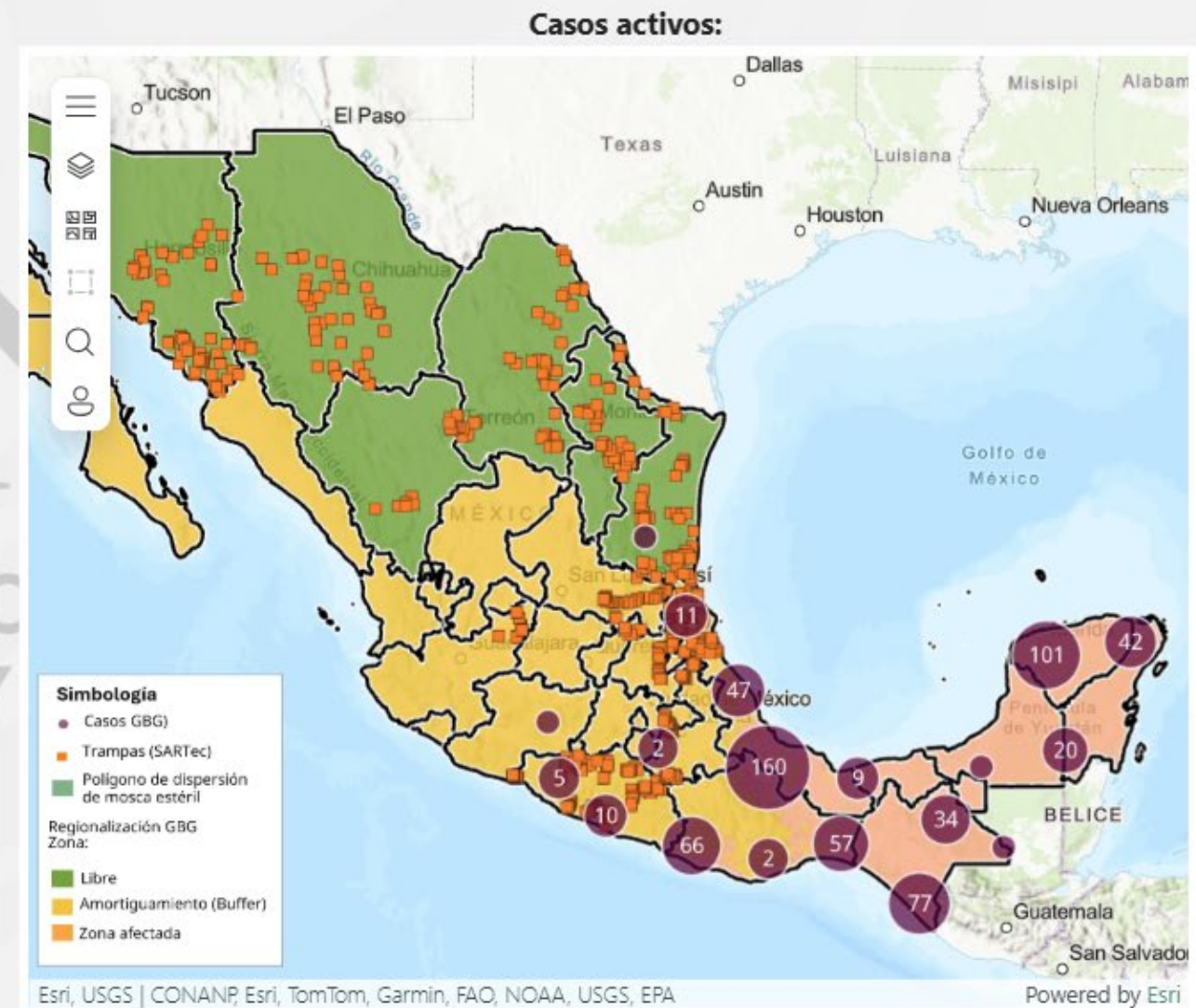
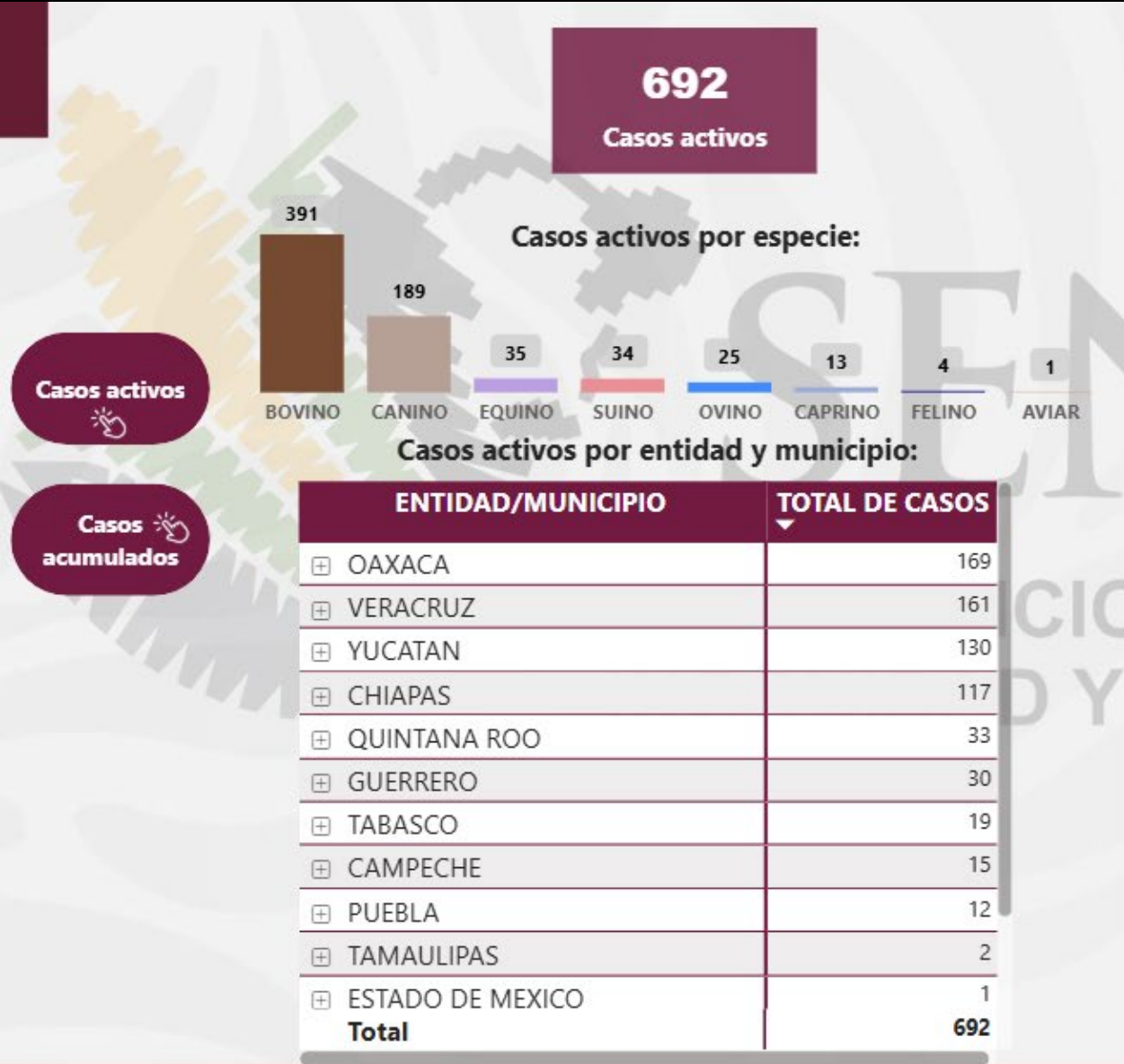
1/6/2026



NMDA

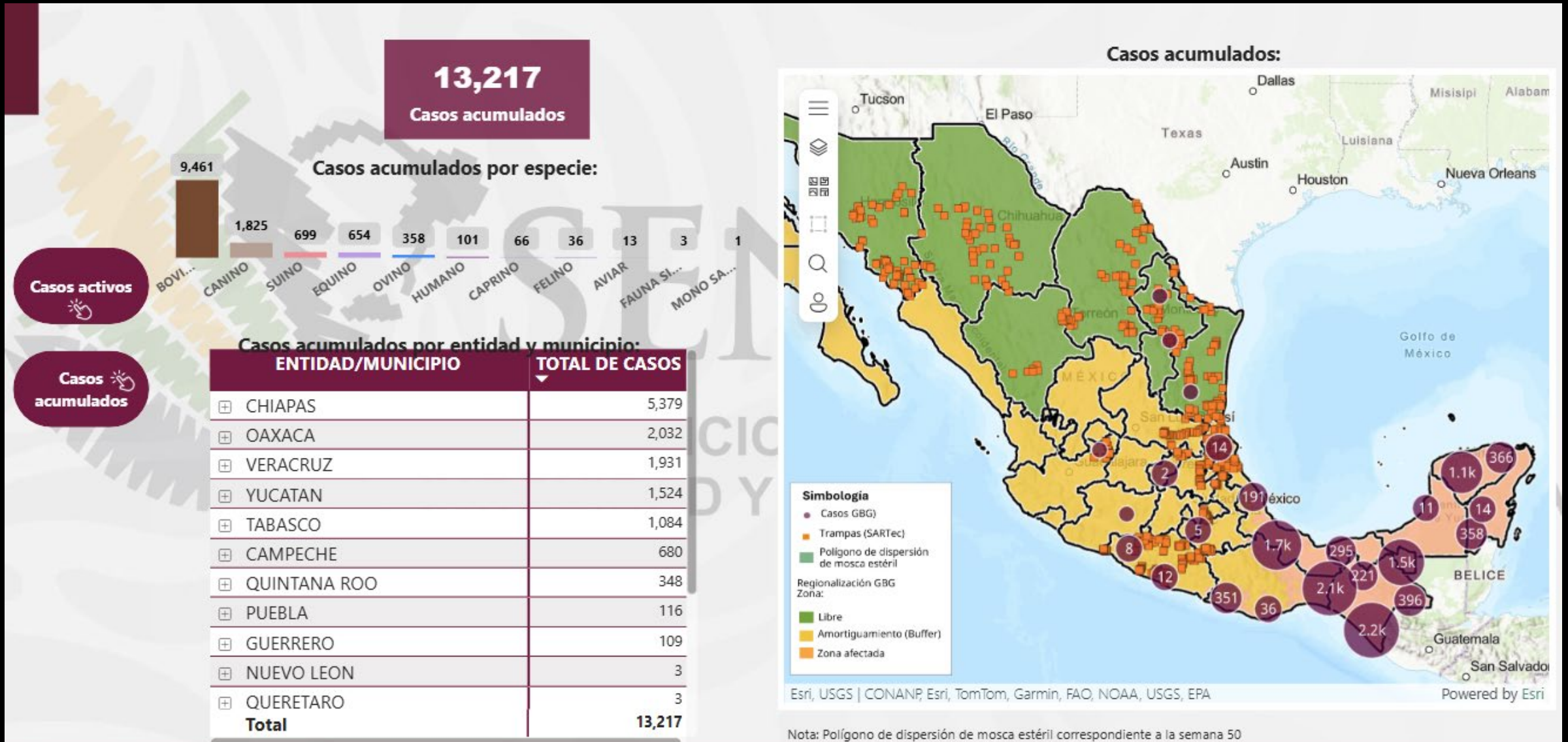
New Mexico Department
of Agriculture

Current Status in Mexico - Jan 05



Nota: Polígono de dispersión de mosca estéril correspondiente a la semana 50

Current Status in Mexico - Jan 05



Current status – trade impact



- Trade-
- Southern border ports shut down since May 2025 – feeder cattle and equine

Metric	Scope of Impact	Numerical Value (Estimated)
Annual Live Cattle Imports from Mexico	Total average volume of cattle imported across the southern border (mostly feeder cattle).	~1.25 Million head
Annual Value of Imports Suspended	Approximate annual dollar value of the suspended live cattle trade from Mexico.	\$1.3\$ Billion (Based on 2024 value)
YTD Import Volume Drop	Percentage reduction in feeder cattle volume imported year-over-year following border closures and phased reopenings.	Down 60%
Annual U.S. Producer Loss	Estimated annual cost to U.S. livestock producers alone if NWS were to re-establish.	\$1 Billion
Annual Economic Benefit of Eradication	Estimated yearly benefit to the entire U.S. economy from maintaining NWS eradication.	\$3.7\$ Billion
U.S. Emergency Funding	Total federal emergency funds allocated for NWS response, surveillance, and control efforts (2023-2024).	\$275 Million
Sterile Fly Capacity	Total sterile fly production capacity being secured (Panama + renovated Mexico facility) to maintain the biological barrier per week.	60-200 Million flies/week

Current status – USA

as of last sitrep 12/16/2025

Table 1.1: Number of Fly Traps by State and County

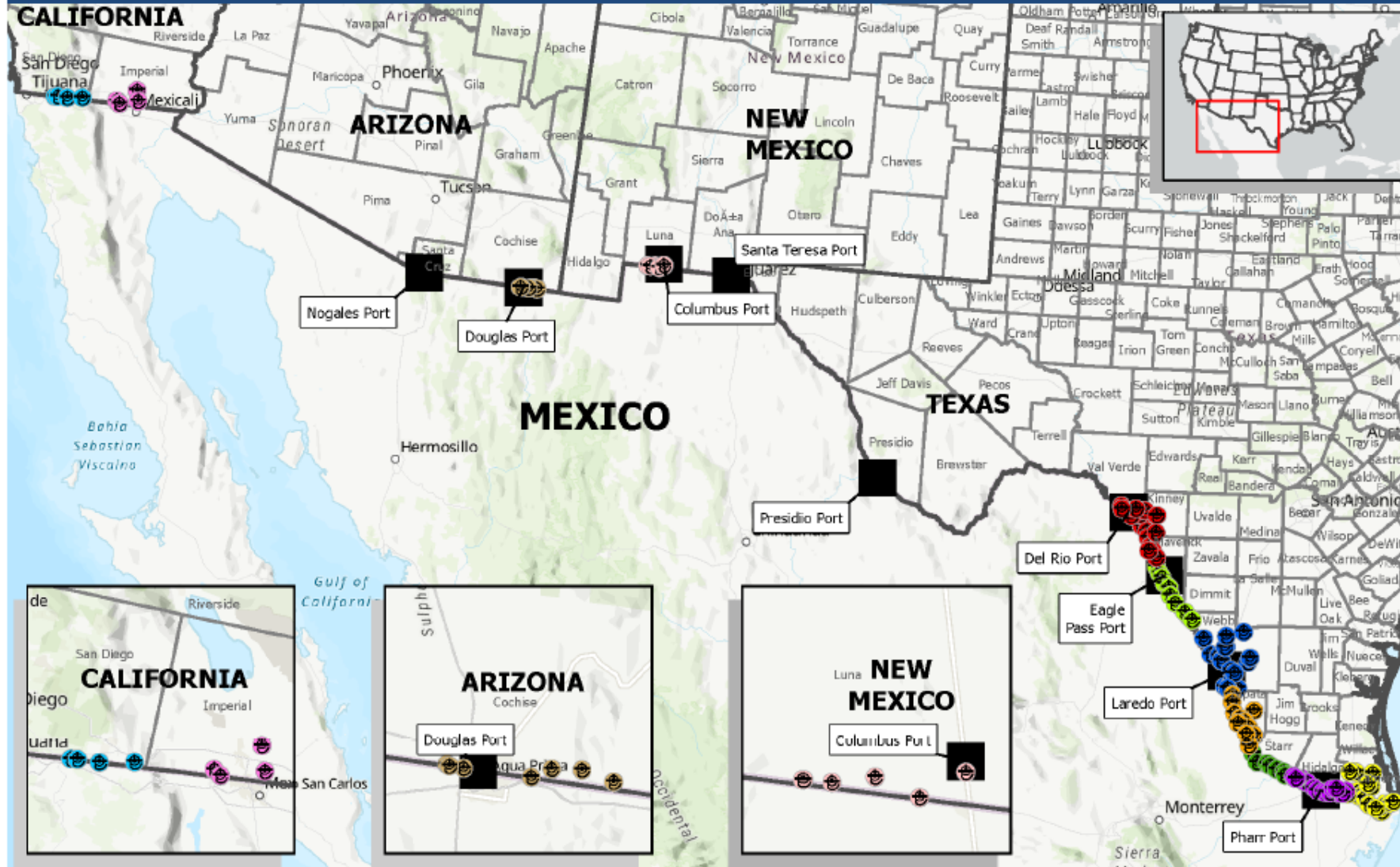
State / County	Number of Fly Traps
Arizona	7
Cochise	7
Texas	101
Cameron	19
Hidalgo	19
Kinney	5
Maverick	12
Starr	8
Val Verde	7
Webb	20
Zapata	11
California	8
Imperial	4
San Diego	4
New Mexico	5
Luna	5
Grand Total	121

Table 2.1: Number of Flies Submitted for Final Identification by State and County of Trap Location

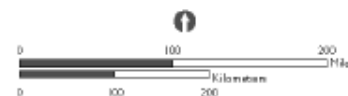
State / County of Trap Location	Number of Individual Flies Submitted for Final Identification
Arizona	631
Cochise	631
New Mexico	217
Luna	217
Texas	34,374
Cameron	10,764
Hidalgo	5,331
Kinney	1,259
Maverick	4,689
Starr	3,028
Val Verde	1,502
Webb	6,061
Zapata	1,740
California	864
Imperial	580
San Diego	284
Grand Total	36,086

Table 3.1: Number of Responders Currently Deployed by State, Agency and Rotation Type

Number of Current Responders	Rotation Type		
State / Agency	On-Site	Virtual	Grand Total
Arizona	4		4
State of AZ	1		1
Veterinary Services	3		3
New Mexico	5	1	6
State of NM		1	1
Veterinary Services	5		5
Texas	31	11	42
Texas Animal Health Commission	4	1	5
Veterinary Services	26	10	36
Plant Protection and Quarantine	1		1
California	5	1	6
Veterinary Services	1		1
State of CA	4	1	5
Grand Total	45	13	58



- Val Verde Trap Line
- Maverick Trap Line
- Webb Trap Line
- Zapata Trap Line
- Starr Trap Line
- Hidalgo Trap Line
- Cameron Trap Line
- Cochise Trap Line
- Luna Trap Line
- Imperial Trap Line
- San Diego Trap Line
- Southern Border Ports of Entry



Data Source: CMRS

Data Created: 12/15/2025

USDA APHIS
2150 Centre Ave
Fort Collins, Co 80526

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The Plan in New Mexico

- Upon confirmation (possibly presumptive) of NWS in NM
 - Establish 20km (~12.4mi) radius circle or polygon
 - Called the Infested Zone (IZ)
 - Movement controls within IZ for livestock
 - Depends on commodity class (*i.e.* slaughter/show/sale)
 - Potential for mandatory treatment for animals on an infested premises (or within 20km)
 - But only if the animals need to move
 - Area trapping and surveillance
- NM relies heavily on slaughter capacity from neighboring states
 - Rendering too



The plan in NM part 2

- To address adult flies
 - Sterile fly technique (SIT)
 - Current production ~100 million / week
 - Estimated need ~ 700 million / week
 - Trapping
- To address larvae
 - Visualize livestock
 - MOVEMENT CONTROL
 - Permitted movement
 - Mandatory treatment and identification

The plan in NM part 3

Containment

BREAK

Update on Medications and tools for Producers

- Conditionally Approved Drugs for New World Screwworm
 - FDA's CVM has pathways for approval and conditional approval of drugs for NWS myiasis in animals.
 - U.S. Food and Drug Administration Conditional approval means the drug is safe and has a reasonable expectation of effectiveness, with additional data pending.

FDA approved medications for NWS-Cattle

- Dectomax®-CA1
 - What is Dectomax-CA1?
 - Dectomax-CA1 is an FDA conditionally approved drug for cattle
 - Active ingredient: doramectin - **injectable**
 - Approved specifically to help manage New World screwworm (NWS)
- **35 day** withdrawal for slaughter
- Published duration of effect 21 days
- What Dectomax-CA1 is NOT
 - **✗** Not approved for dogs, horses, sheep, or goats
 - **✗** Not a substitute for:
 - Wound care
 - Fly control
 - Biosecurity and surveillance
 - **✗** Not a medicated feed

Not for use in female dairy cattle 20 months of age or older. A withdrawal period has not been established for this product in preruminating calves. Do not use in calves to be processed for veal.

FDA approved medications for NWS-Cattle

- **Exzolt® Cattle-CA1 (Fluralaner)**
 - **What is Exzolt Cattle-CA1?**
 - FDA conditionally approved **topical** antiparasitic for **cattle**
 - Active ingredient: **fluralaner** (isoxazoline class)
 - Also approved for cattle fever tick
 - **Approved cattle classes:**
 - Beef cattle $\geq$ 2 months of age
 - Replacement dairy heifers $<$ 20 months of age
 - **✗** Not approved for adult lactating dairy cows
 - Presumed duration of effect 56-88 days

98 day withdrawal for slaughter

FDA approved medications for NWS-Canine

- Credelio Quattro-CA1
 - Credelio Quattro-CA1 is an FDA conditionally approved chewable tablet for dogs.
 - Contains lotilaner, moxidectin, praziquantel, and pyrantel.
 - Approved use
 - Dogs and puppies $\geq$ 8 weeks of age and weighing $\geq$ 3.3 lb (1.5 kg).
 - Based on the product's formulation, Credelio Quattro-CA1 provides broad parasite control (fleas, ticks, heartworm, intestinal worms) monthly, and treats NWS larvae with a reasonable expectation of effectiveness against existing infestations-within 24 hours
 - It is not labeled as a preventive protection duration against future new infestations; it is a treatment for confirmed myiasis.
 - Duration of effect unknown/unpublished

The best treatment

Visualizing animals and
reporting suspicion

Questions??

