

The Political Consequences of “Source Country” Operations: Evidence from Crop Eradication in Mexico*

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Abstract

When crafting law enforcement policy, drug-producing — or “source” — countries must adjudicate between domestic preferences and international pressure to curb supply. What are the political consequences of prioritizing supply-reduction? I analyze illicit-crop eradication in Mexico, where the army routinely incinerates fields to ensure continued US aid. Small, marginalized crop-growing communities regard eradication as an unjust federal policy. However, the importance of aid makes the policy inelastic. Because eradication policy is never on the electoral menu, I theorize that eradication decreases trust in the government and reduces turnout instead of engendering electoral backlash. To test, I create a novel eradication measure at the electoral precinct level using data from 50,000 satellite-detected fields and NASA’s satellite-collected fire data. Using variation in location and timing, I show that eradication depresses turnout in federal elections and trust in the army. By divorcing domestic electoral politics from policy, US security aid may undermine accountability.

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Introduction

For over six decades, the United States has funded and promoted the destruction and interdiction of illicit substances abroad as part of its drug abuse prevention strategy (Bagley, 2015; Cedillo, 2021). Such “source country” counternarcotics tactics are motivated by the idea that decreasing the supply of imported drugs should mechanically reduce consumption (Tokatlian, 2015; Isacson, 2015). To incentivize foreign governments to carry out these costly operations, the United States conditions millions of dollars in aid to major drug-producing or drug transit countries on an annual certification extended only to those which “cooperated fully with the United States in drug control efforts” (Storrs, 2002). While source country operations are generally ineffective in reducing supply in the long-run (Moreno Sanchez, Kraybill and Thompson, 2003; Mejía, Restrepo and Rozo, 2015; Prem, Vargas and Mejía, 2023), drug-producing countries gain favor with the US by consistently carrying them out, thus facilitating their yearly certification.¹

In this paper, I analyze the domestic political consequences of a paradigmatic example of US-sponsored source country operations: illicit-crop eradication in Mexico. Extant research has conceptualized law enforcement policy as largely endogenous to domestic politics, responding to electoral incentives and preexisting social inequalities (Magaloni, Franco-Vivanco and Melo, 2020; González and Mayka, 2022; Visconti, 2020; Huber and Gordon, 2004; Holland, 2013). In contrast, the case of source country, or supply-reducing operations, emphasizes how foreign law enforcement priorities can shape the use of domestic coercive resources and dictate domestic security policy; drug production and trafficking in Latin America are closely monitored by the US, with particular emphasis on Mexico (DEA, 2021).²

Drawing from ethnographic and journalistic sources, I argue that people living in the often remote and marginalized illicit-crop-growing communities understand the destruction of their crops as the federal government behaving punitively and unjustly towards them by interfering with their

¹For example, the Presidential Determination on Major Drug Transit or Major Illicit Drug Producing Countries for Fiscal Year 2020 explicitly states: “We need the Mexican government to intensify its efforts to increase poppy eradication, illicit drug interdiction, prosecutions, and asset seizures, and to develop a comprehensive drug control strategy.”

²Besides Mexico, the US government identified 21 other countries as major drug transit or major illicit drug-producing countries in 2022, 16 of which are in Latin America. See: “Presidential Determination on Major Drug Transit or Major Illicit Drug Producing Countries for Fiscal Year 2021.” Available at: <https://www.federalregister.gov/documents/2020/09/25/2020-21390/presidential-determination-on-major-drug-transit-or-major-illicit-drug-producing-countries-for>.

already precarious well-being (Le Cour Grandmaison, 2021; Álvarez Rodriguez, 2021*b*). I adopt the conceptualization of institutional trust as the belief that a representative government agent will tend to act in one’s best interest (Slough and Torreblanca, 2024; Bhattacharya, Devinney and Pillutla, 1998; Hardin, 2003) and argue that eradication operations reduce citizens’ trust in the federal government.

I further argue that eradication depresses turnout instead of engendering backlash electoral participation from aggrieved residents. The importance of US security aid, coupled with the political weakness of crop-growing communities, excludes eradication from the menu of reformable policy. For the federal government, the financial benefits from receiving lucrative foreign aid outweigh any potential domestic political costs from angering and alienating the small and poor crop-growing communities. Consequently, no federal political force has incentives to propose to reform counternarcotics policy and risk losing the foreign country’s favor and financial backing. Unable to channel their discontent through vote choice and affect the implementation of counternarcotics policy, residents of eradicated communities are instead more likely to abstain from voting.

To test these hypotheses, I use novel satellite data on the more than 50,000 illicit fields detected by the Mexican army between 2013 and 2020. Because most destroyed fields are incinerated, I can combine the universe of satellite-detected illicit fields with NASA’s historical satellite data on fires to identify the electoral precinct and the date of each eradication. I use variation in the army’s decision to eradicate a field, conditional on detecting it, arising from exogenous time and capacity constraints to estimate the effect of eradication on electoral participation. For army commanders, the choice of what specific field to incinerate out of all detected illicit fields in their area of operation depends on stochastic factors like detection timing, personnel availability, ongoing military operations, and other similar considerations.³ This randomness in field selection allows me to leverage the *ad hoc* geographic organization of army operations to compare participation in electoral precincts where the army detected but *did not* eradicate illicit fields to nearby, demographically similar precincts where it did eradicate.

The results show that destroying an illicit field before a federal election decreases turnout in an electoral precinct by almost two percentage points on average, or 10% of a standard deviation, compared to similar crop-growing precincts in the same military zone where fields were not

³Corroborated in an interview with a high-ranking armed forces commander who oversaw eradication operations.

eradicated. Additionally, using the timing of survey collection for eight waves of an annual national-representative survey, I show that rural dwellers of municipalities eradicated before survey collection show less trust in the army than individuals living in comparable areas that were eradicated *after* survey collection. However, eradication did not seem to affect trust in law enforcement institutions unrelated to the federal government, nor trust in the army among *urban* inhabitants who do not personally observe crop eradication operations.

I show that neither migration nor population changes can account for the results. I also show that eradication does not measurably affect participation through changes in the level of lethal violence, and, using the collapse of poppy prices in 2017, I rule out the possibility that the negative economic shock of field destruction can mechanically account for all the demobilizing effects of eradication.

To validate the identifying assumptions underpinning the empirical strategy, I show that field and precinct-level geographic characteristics that could be endogenously related to turnout are not predictive of the army's decision to eradicate a specific field. Further, I show that the results are robust to using official municipal-level eradication data published by the Mexican army. I test for the possibility that bias in the precinct-level measurement of eradication drives the result, retrieving little supporting evidence. First, I repeat the precinct-level analysis but define treatment as instances of fires unrelated to crop eradication. I find a *positive* and statistically insignificant relationship between these unrelated fires and electoral turnout, suggesting that random measurement error might understate the results. Last, I use a shorter intra-election panel of official geolocated data on eradication and compare it to the fire-based measure of predicted eradication to benchmark its accuracy. With a simulation, I find that the results hold even with a higher-than-expected proportion of misclassified units.

This paper contributes to the literature on the political economy of law enforcement by emphasizing the domestic accountability implications of foreign security aid. Governments tailor security policy to service their domestic constituencies (González, 2020; Soss and Weaver, 2017; Holland, 2013). However, the case of US-sponsored source country operations highlights how aid conditionality incentivizes recipient country governments to be responsive to foreign security preferences, even at the cost of adopting ineffective or domestically unpopular policies. In so doing, the US becomes another one of the government's principals alongside its domestic constituency, engender-

ing a multiple-principal dynamic (Voorn, van Genugten and van Thiel, 2019; Dixit, Grossman and Helpman, 1997). Whether the source countries end up prioritizing the US or domestic voters when crafting policy will depend on the relative power of each of these two actors.

Additionally, this paper contributes to the growing literature on the behavioral and attitudinal consequences of law enforcement in the Global South. Recent studies have examined if trust-building policing practices improve security outcomes or citizens' evaluation of the police and government, finding mixed results (Blair et al., 2021; Magaloni, Franco-Vivanco and Melo, 2020). Parallely, extant research on the over-policing of minority communities in the US has found that it demobilizes citizens (Lerman and Weaver, 2014; Burch, 2014) but may mobilize indirectly targeted individuals (Walker, 2019; Anoll and Israel-Trummel, 2019). However, little work has explored the political consequences of law enforcement in the violent democracies of the Global South, where police brutality is often considered the institutional norm (Magaloni and Rodriguez, 2020; González, 2020) and insecurity has been shown to undermine government's legitimacy and may depress electoral participation (Visconti, 2020; Ley, 2018; Marshall, 2022).

Finally, this paper contributes to research on the negative consequences of attempting to curb drug production and consumption using coercion. Partly as a response to the decades of US support for source country operations, producing countries have increasingly approached drug control from a security perspective (Loveman, 2006; Flores-Macías and Zarkin, 2021). Researchers have argued that this "securitization" of the "War on Drugs" may increase state-perpetrated violence and often fails to improve security outcomes (Dell, 2015; Castillo and Kronick, 2020; Magaloni and Rodriguez, 2020; Blair and Weintraub, 2023). However, the *political* results of counternarcotics law enforcement have only been explored as mediated by violence (Trejo and Ley, 2020) or in the mid and long-term (Flores-Macías, 2018; Osorio, Schubiger and Weintraub, 2021). In contrast, the short-term direct political implications have been overlooked.

US Security Aid and the Multiple Principals Problem

In traditional accounts of the dynamic production of policy, governments are assumed to be electorally incentivized to be responsive to their domestic constituencies. For instance, observing crime and its punishment is posited to inform citizens of security policy and implementation and shape their law enforcement preferences, affecting their participation decisions. (Ley, 2018; Kronick, 2014;

Visconti, 2020; Bateson, 2012). Citizens' political choices, in turn, influence which security policies politicians propose and enact. Politicians cater to relevant constituencies by tailoring security policy to their tastes to secure their political support (Holland, 2013; Magaloni, Franco-Vivanco and Melo, 2020; González, 2020).

Conversely, conditional US aid exemplifies how foreign policy preferences can shape domestic policy through channels other than electoral accountability. The US has devoted billions of dollars in security aid over the last six decades to support drug interdiction, marijuana defoliation, and illicit field destruction operations abroad (Vorobyeva, 2015; Teague, 2019). By destroying drugs at their source or stopping them from crossing the border, authorities believed drug use in the US could be prevented or significantly reduced (Tokatlian, 2015).

To achieve this goal, the US explicitly conditions security aid to drug-producing countries on their sustained efforts to curb supply, engendering non-electoral incentive for governments to be responsive to its preferences instead of their citizens. Starting in 1986, the US Congress required the President to identify all major illicit drug-producing and drug transit countries each year, certify that these countries were cooperating with the US in counternarcotics efforts, and withhold 50% of non-counternarcotics US security assistance to countries that failed certification (Storrs, 2003). While most trade sanctions after decertification were often waived for national interest reasons, certification was a momentous event, and the threat of decertification was powerful leverage for the US when negotiating policy with recipient countries.⁴

The certification process became somewhat laxer in 2002, allowing the President to bypass the Congressional veto to certification (Storrs, 2003). However, it remains a yearly hurdle for drug-producing countries to navigate, and drug interdiction and destruction activities are still cited as evidence for or against certification. For instance, the 2018 Presidential Determination on Major Drug Transit or Major Illicit Drug Producing Countries states: "Colombia as a country that has failed demonstrably to adhere to its obligations under international counternarcotics agreements due to the extraordinary growth of coca cultivation [...] including record cultivation during the last 12 months."⁵ while the 2019 Determination states: "I am deeply concerned that illicit drug crops

⁴See "U.S. IS CERTIFYING MEXICO AS AN ALLY IN FIGHTING DRUGS", March 1, 1997. Available at: <https://www.nytimes.com/1997/03/01/world/us-is-certifying-mexico-as-an-ally-in-fighting-drugs.html>

⁵Available at: <https://www.federalregister.gov/documents/2017/09/28/2017-21028/presidential-determination-on-major-drug-transit-or-major-illicit-drug-producing-countries-for>

have expanded over successive years in Colombia, Mexico, and Afghanistan, and are now at record levels.”⁶

Importantly, both the domestic accountability channel, whereby citizens’ preferences shape the electoral incentives of the governments to adopt certain policy *and* the para-electoral incentives introduced by conditional US aid coexist for source countries. Thus, governments in source countries must tailor one blunt tool, security policy, to the tastes of two principals: their domestic voters and the US.

How do governments adjudicate between these two principles’ interests when enforcing the law? When agents have incentives to adapt policy to the taste of different actors, it generates a multiple-principal or common-agency dynamic. In such context, service provision is complicated when the principals have divergent interests (Voorn, van Genugten and van Thiel, 2019; Dixit, Grossman and Helpman, 1997). If principals differ in their relative bargaining power and policy preferences, the agent will craft policy closer to the preferences of the stronger principal (Voorn, van Genugten and van Thiel, 2019).

In this paper, I examine the domestic political consequences of this para-electoral responsiveness to a foreign actor engendered by aid conditionality when the foreign actor is a stronger principal than domestic constituents. Specifically, I explore the case of US-backed illicit-crop eradication in Mexico. While irrelevant for the vast majority of the Mexican population, continuous eradication allows the government to garner favor with the US and guarantee a stream of conditional security aid. Yet, crop eradication has dire consequences for the small and marginalized communities that grow poppy and marihuana in the country. I explore how these communities, the weaker principal of the federal government, react politically to eradication.

Crop Eradication in Mexico: Theoretical Expectations

Mexico has been a stage for source country operations since their inception in 1969, with a strong emphasis on eradicating illicit crops (Cedillo, 2021). Eradication policy is governed at the federal level (Delgado, 2021), and eradication itself is carried out by the army, a federal bureaucracy. The federal government, generally, and the army specifically, are perceived as an aggressive force by these

⁶Available at: <https://www.federalregister.gov/documents/2018/10/04/2018-21806/presidential-determination-on-major-drug-transit-or-major-illicit-drug-producing-countries-for>

populations due to their eradication efforts. An inhabitant of an illicit-crop-growing community in Guerrero states of his experience with eradication:

“People were afraid of the federal agents because of that little plant, which is cultivated, even just a little piece of it.” (Delgado, 2021, p. 21).

Recent qualitative research describes just how noteworthy crop eradication operations are for locals. Le Cour Grandmaison, Morris and Smith (2019*b*) narrate how illicit-crop fields were very visible and even close to the main street in town. At the same time, in her ethnography of a crop-growing community in Guerrero, Álvarez Rodríguez (2021*b*) remarks:

“The most evident expression of the presence of the state is the eradication of poppy fields carried out by the Mexican army. Indeed, people often refer to the armed forces as ‘government.’” (Álvarez Rodríguez, 2021*b*).

While being a central part of counternarcotics law enforcement policy, illicit crop eradication does not significantly affect drug-trading organizations’ (DTOs) profits. As schematized in Figure A2, illicit crop growers, often poor individuals in marginalized communities, own the crops and sell only the raw material directly to intermediaries, not drug trading organizations. Conversely, DTOs increasingly profit from synthetic instead of crop-based drugs like fentanyl (DEA, 2021).

Ethnographic research further argues that illicit crop growers interpret the destruction of their fields as the government behaving punitively towards them, the weakest link in the drug-trafficking chain, instead of pursuing criminals that generate violence (Le Cour Grandmaison, 2021; Álvarez Rodríguez, 2021*b*). In her ethnography of a crop-growing community in Guerrero, Álvarez Rodríguez (2021*b*) succinctly captures the dynamic:

“What local people find unjust is that the force of the law is applied —always— on the growers, never on those who make their living by extorting them.”

Following extant research, I conceptualize institutional trust as the expectation that a representative agent of that institution will behave in a manner that results in a beneficial outcome for the citizen (Bhattacharya, Devinney and Pillutla, 1998; Slough and Torreblanca, 2024). As such, I expect trust in the federal government to be informed by personal experiences with and

observations of law enforcement agents' behavior. Importantly, citizens might view law enforcement as untrustworthy even if the negative expected outcomes of interacting with its agents result from the latter applying the law. Crucial here is the intuition that interactions with state agents help citizens crystalize attitudes towards their government, shape their expectations regarding future interactions, and ultimately influence decisions about the need for and the costs of political participation (Soss, 1999; Soss and Weaver, 2017; Lerman and Weaver, 2014).

A teacher in a crop-growing Guerrero community captures the logic well:

“ [Illicit-crop-growing] is a way of life. It was, it is, a need [...]. People have no money. [...] There is no money because the [federal government] does not have programs to support the communities.” (Bolaños Guerra, Mendoza García and Bautista García, 2022, p. 303).

I hypothesize that experiencing source country operations engenders distrust in the federal government and the law enforcement agents carrying them out. Source country operations indicate to voters in illicit crop-growing districts that the government is not responsive to their policy preferences and feeds the expectation that future interactions with its agents will be harmful. Consequently, I expect crop eradication operations to negatively affect citizens' beliefs about the trustworthiness of the federal government and its law enforcement agents.

H1: Eradication depresses affected individuals' trust in the federal government and its law enforcement apparatus.

In contrast, I argue that the behavioral consequences of the decrease in trust hinge on the opportunity structure within which individuals can *react* politically. People's ability and motivation to participate in politics depends on their available resources and the institutional incentive structure (Verba, Nie and Kim, 1978; Franklin, 2004; Cantú and Ley, 2017). Suppose political mobilization could lead to a meaningful change in the law enforcement policy of eradicating the supply of drugs. In that case, people aggrieved by source country operations might be motivated to participate more in politics to effect policy change. An example of this is the “Movimiento al Socialismo”, or MAS movement in Bolivia, where the large communities of indigenous cocaleros used preexisting local organizations to mount a resistance to the eradication policy that, over the years, coalesced in a formal political movement that took power through electoral means (Anria,

2013).

Conversely, suppose affected citizens cannot mount political opposition potent enough to counteract US pressure, as is the case for Mexico’s small and marginalized illicit crop-growing communities. In that case, politicians have little incentive to propose or credibly commit to policy change that might endanger US financial support. Thus, aggrieved people have little motivation to participate in politics due to opposing such operations. Conditionality in US aid deeply molds the political opportunity structure by constraining aid-recipient governments’ ability to abandon the policy of source country operations. Aid conditionality disincentivizes politicians from proposing reforms to such policies; sitting governments benefit economically and politically from their continuation despite the potential loss in political support from small crop-growing communities. Thus, I hypothesize that voters are unlikely to have the opportunity or the willingness to attempt to effect change to the policy through their electoral participation. Consequently, I expect source country operations to depress turnout in the short term when the political opportunity structure is fixed.

H2: Eradication depresses turnout in federal elections.

An inhabitant of a crop-growing community in Guerrero, speaking of the financial need to harvest illicit drugs, illustrates the dissatisfaction and skepticism of trying to effect change through formal channels: “Who is going to help? The government? The government never helps.” (Giménez Delgado, 2022, p. 225).

The Army’s Role in Eradication in Mexico

Since 2007, all eradication duties have been the responsibility of the Mexican army⁷ whom citizens unambiguously identify as a federal bureaucracy, eradicate illicit crops. The army uses two techniques to eradicate illicit crops: aerial aspersion and manual incineration. The former involves fumigation from the air, while the latter requires soldiers securing the identified field and cutting and incinerating the plants.

Contrary to eradication efforts in the Andean region (Dion and Russler, 2008), the Mexican army overwhelmingly uses the manual technique. Between 2011 and 2020, it reports having destroyed 46,663 hectares of marijuana manually, 81% of all destroyed marijuana hectares. As for poppy

⁷The navy sporadically eradicates illicit crops. Between 2013 and 2020, it was responsible for 2% of all destroyed poppy or marijuana hectares.

eradication, the army reports having manually destroyed and incinerated 172,947 hectares, or 86.4% of the total. Specifically, in 2015 and 2018, the army destroyed 95% and 98% of all fields manually.⁸

Data

I draw on official data from the National Electoral Authority (INE), the National Institute of Geography and Statistics (INEGI), and data I obtained from the Mexican army. Municipal-level data on illicit-crop eradication operations come from official statistics published by the Mexican army. Additionally, using a freedom of information request, I obtained a list of all satellite-detected illicit-crop fields identified by the army between February 2013 and June 2021, which I use to measure eradication at the electoral precinct level. Last, I use several waves of a national survey to measure changes in institutional trust. I explain each data source in more detail in the following subsections.

Outcomes of Interest

I collected data on the four federal elections for deputies after the army took over eradication duties for the analysis. These data are available at the municipality and the electoral precinct levels. Federal elections in Mexico happen every three years for federal deputies and every six years for presidents and senators. Municipal elections might or might not be concurrent with federal elections since local elections follow their own calendar. I use the data published by Magar (2018) to identify municipalities with concurrent local elections to account for the increased levels of turnout they may produce.

To measure trust in the government, I look at responses from eight waves⁹ of the yearly National Survey of Crime Victimization and Public Safety, ENVIPE, (INEGI, 2019) which asks respondents to rate their trust for several institutions related to law enforcement.

Crop eradication

For information on the share and location of destroyed crops, I rely on two data sources based on official information from the Mexican army. The first consists of the type, number, and size

⁸Source: Freedom of information request folio 0000700198921.

⁹From 2013 to 2021, excluding 2020 because of COVID-19.

of all illicit fields manually destroyed by the army, per year, month, and municipality. These data were collected, cleaned, and published by the Mexican NGO MUCD (2021) (México Unido Contra la Delincuencia). The smallest geographic unit for which the Mexican army reports crop eradication operations is the municipality, but municipalities can be large, whereas illicit-crop-growing communities are often small and in rural areas. Using a freedom of information request to get around the data limitations, I obtained a novel data set that contains the latitude and longitude of all poppy and marijuana fields detected by the army using satellite images between 2013 and June 2021. Besides the coordinates and the date of detection, these data report the number of harvested hectares per field and of the whether the army validated the detected field as a true positive or a false positive.

Figure 1 shows the date and number of illicit-crop fields detected via satellite per crop type. The Mexican army detected and destroyed poppy and marijuana fields during the entire period but, as the figure shows, starting in 2015, poppy fields made up the majority of detected and destroyed fields. Since the data includes the latitude and longitude, I can match each satellite image to an electoral precinct¹⁰ and compute the number of satellite-detected fields in each electoral precinct each month.

The army does not report whether it later eradicated the fields it detected or not. Therefore, to identify eradicated fields and date their destruction, I make use of the fact that the army incinerates most of the fields it destroys. I compare the geographic data on field detection with historical satellite data on fires¹¹, provided by the Fire Information for Resource Management System (FIRMS) (Giglio et al., 2018). I classify fields as “eradicated” or “not eradicated” with the following algorithm:

1. Construct a buffer of 2km around the coordinates of the illicit field. The size of the buffer accounts for measurement error in the satellite fire data, which reports the center of a 1km pixel, and potential differences between the coordinates of the illicit fields and the place where eradication was carried out (for instance, because soldiers gather the plants to the side of a field instead of to the center.)

¹⁰Electoral precincts are the basic geographic unit of Mexican elections. Each precinct has at least 100 voters, at most 3,000, and an average of about 1,200 registered voters (Challú, Seira and Simpser, 2020).

¹¹Following Hassan and O’Mealia (2018) I use the Moderate Resolution Imaging Spectroradiometer (MODIS) data.

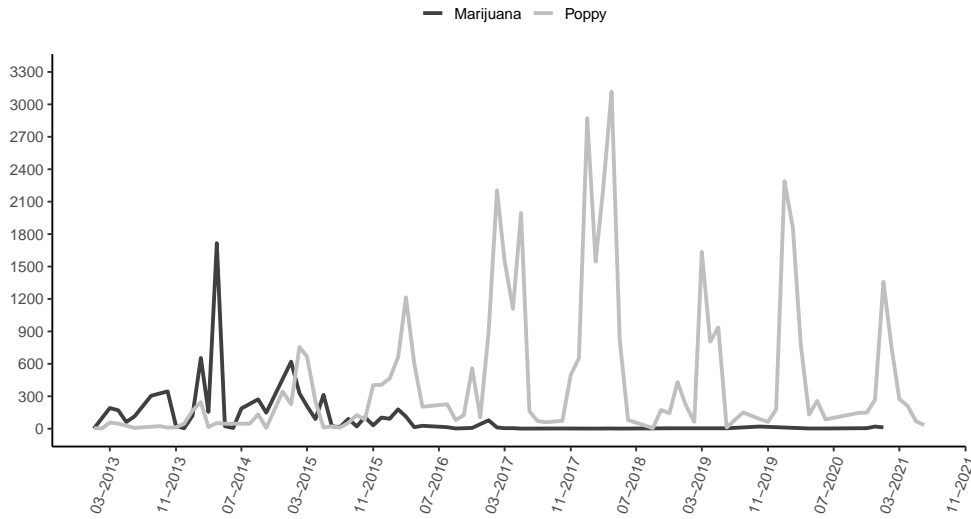


Figure 1: The figure shows the monthly count of illicit fields detected via satellite, as reported by the Mexican army, according to crop type. Data spans from February 2013 until June 2021. The count excludes fields that the army determined to be false-positives.

2. Keep all high-quality fires recorded within the 2km buffer for the three months after the illicit field was detected. Three months is the most stringent specification since, at best, fields can be harvested three times per year (Le Cour Grandmaison, Morris and Smith, 2019b) or every four months.
3. If there were any fires recorded within the 2km buffer in the specified time window, mark that field as having been eradicated.
4. If there was only one fire inside the 2km buffer within the three months, then assign the date of the eradication as the date of the fire. If more than one fire meets the criteria, assign eradication as taking place on the date of the fire geographically closest to the original coordinates of the reported field.

Out of the 53,509 illicit fields, 17,701 were detected in 2015 or 2018, the two federal election years with overlapping satellite imagery collection. The algorithm predicts that the army destroyed 16.6% of those 17,701 fields within three months of detection, 2,757 fields within three months of the election, and 187 more six-to-four months before. Further, it predicts eradication to have taken place in seven different states, 58 municipalities, and 286 unique electoral precincts; These 58

Municipalities with crops detected or eradicated in 2015 or 2018

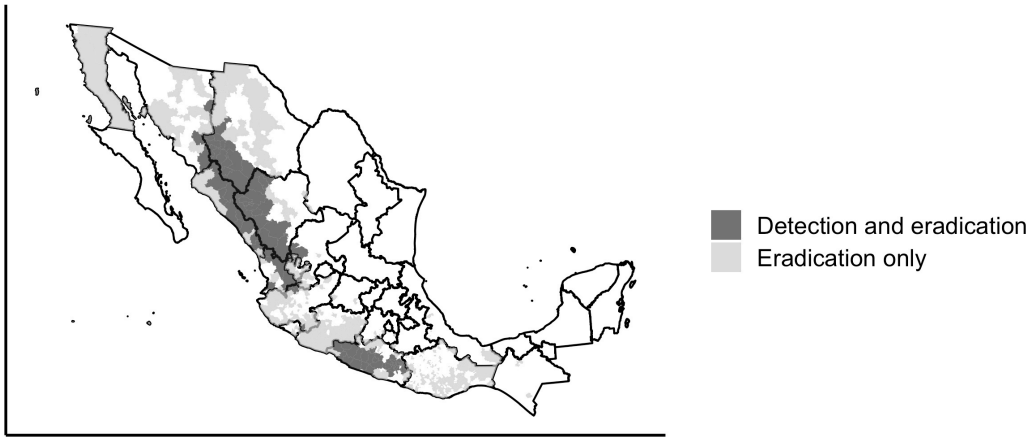


Figure 2: Map marks municipalities where the Mexican army reports having conducted eradication operations in either 2015 or 2018, as well as municipalities that had at least one positive satellite-detection of illicit-crop fields.

municipalities are concentrated in the two areas of most intensive illicit-crop harvesting: the state of Guerrero in southwest Mexico and the so-called “Golden Triangle,” formed by the states of Sinaloa, Durango, and Chihuahua in the northwest. In the next section, I discuss this measure’s validity in-depth and provide several placebo tests to corroborate that it is indeed capturing eradication by incineration.

Constructing a measure of illicit field eradication using automated satellite images instead of ground patrols ensures that the treatment is orthogonal to bureaucratic capacity and criminal activity. However, it is important to note that the army uses additional data sources to detect illicit-crop fields, like ground patrols or intelligence from other institutions. Consequently, the universe of municipalities where the army reports eradicating illicit-crop fields is larger than the universe of municipalities where it detected illicit fields via satellite. Figure 2 shows the municipalities where the army reports having eradicated illicit crops manually, as well as municipalities where it detected illicit fields via satellite during 2015 or 2018. Table A1 reports basic summary statistics. While the army reports at least one eradication operation in 433 municipalities, 91.6% of all hectares eradicated in 2015 or 2018 were destroyed in one of the municipalities with satellite-detected illicit fields, making the overlap between the two measures of eradication large.

Empirical Strategy

The following section presents two empirical strategies to measure the effect of eradication on turnout: a fixed-effects model at the electoral-precinct level and a two-way fixed-effects model at the municipal level. Additionally, I detail the empirical strategy used to measure the effect of eradication on institutional trust.

Crop eradication: Electoral precinct

The first empirical strategy is motivated by the observation, corroborated in an interview with a high-ranking armed forces commander, that conditional on detection, the army’s decision to target a given field depends on stochastic factors like other ongoing operations, personnel availability, or similar organizational considerations unrelated to political participation. Intuitively, this empirical strategy compares participation in eradicated electoral precincts to participation in similar precincts that could have been eradicated because they had illicit fields growing but were not.

I leverage the army’s *ad hoc* geographic organization to further refine the causal contrast. Mexico organizes its army around military regions, each encompassing several military zones. These military regions and zones imperfectly follow the country’s political geography: a region can encompass two to five states, while a military zone can straddle municipalities belonging to one, two, or three distinct states.¹² Using a series of freedom of information requests, I assigned each municipality to a military region and zone.¹³ Military zone commanders, who can be assigned and reassigned discretionally by the president, are responsible for all operations, including eradication (SEDENA, 2012). I include $year \times zone$ fixed-effects in all precinct-level specifications to guarantee that the comparisons are between electoral precincts in the same military zone, the same year, and overseen by the same military zone commander.

Electoral precincts’ boundaries are not politically salient. However, one worry is that political considerations could impact the army’s decision to eradicate certain *municipalities* more or less intensively. Specifically, since the army is a federal bureaucracy, we could worry that municipalities headed by copartisan mayors would be spared eradication more often. To account for this potential

¹²Conversely, a single state can be composed of one, two, three, four, and even five military zones, like the state of Chiapas.

¹³Figure A1 in the Appendix shows the result.

dynamic, I control for whether the electoral precinct is in a municipality where the mayor is the president’s copartisan. Additionally, I control for concurrent municipal elections.

I fit the following fixed-effects regression:

$$Y_{pt[z]} = \gamma Predicted_{pt} + \beta \mathbf{X}_{pt} + \mu_{t \times z} + \varepsilon_{pt[z]} \quad (1)$$

where $Y_{pt[z]}$ is the turnout rate of electoral precinct p , in military zone z , during election year t , $Predicted_{pt}$ is either a dummy variable that takes the value of 1 if there is any pre-election predicted eradication in precinct p and 0 if illicit fields were only *detected*, or the $(\log + 1)$ count of fields or hectares predicted to have been manually eradicated in that electoral precinct that year. $\mu_{t \times z}$ are year \times military zone fixed-effects. \mathbf{X}_{pt} is a vector of pre-treatment covariates, including an indicator of whether or not there were concurrent municipal elections and whether the mayor was the president’s copartisan. Additionally, all models with “full” covariates include the $(\log + 1)$ number of illicit fields detected in adjacent precincts in year t and an Inverse Covariance Weighted index (ICWa) (Anderson, 2008), constructed from a battery of demographic characteristics taken from the 2010 census. Instead of including all covariates separately, the index summarizes orthogonal variation from all variables as efficiently as possible. In this setting, the decrease of statistical power from including all the covariates would not be compensated by the extra information since most demographic characteristics are highly correlated. Section A4.3 explains the index construction in detail. However, results hold when including sociodemographic characteristics separately. Finally, robust standard errors are clustered at the electoral-precinct level.

Crop eradication: Municipality

My second empirical strategy tests the same mechanism with official municipal-level data on eradication, published monthly by the Mexican army. I look at the turnout for four federal elections after the army took over eradication responsibilities: 2009, 2012, 2015, and 2018. My sample includes all municipalities where the army eradicated fields in a given year. For comparability with the precinct-level results, I exclude from the sample municipalities that select their authorities via indigenous self-governance. The final sample includes data from 596 municipalities, where 96% of the hectares destroyed by the army were located.

The variation I leverage for identification comes from the timing of field eradication. I compare municipalities with fields manually eradicated *before* the election to turnout in places eradicated *after* the election took place, but within the same year. The identifying assumption embedded in the analysis is that, net of time-invariant characteristics, whether eradication happens before or after the election is orthogonal to time-variant confounders.

I estimate the following two-way fixed-effects model:

$$Y_{mt} = \gamma \text{EradicationBefore}_{mt} + \mu_t + \theta_m + \varepsilon_{mt} \quad (2)$$

where Y_{mt} is the turnout rate in municipality m during election year t and $\text{EradicationBefore}_{mt}$ is a dummy variable that takes the value of 1 if the army eradicated illicit fields manually in year t and municipality m during the months before the federal election and 0 if it eradicated fields only after the elections, or the (log+1) count of fields or hectares eradicated manually in the same period. μ_t are year fixed-effects, and θ_m are municipality fixed-effects. Robust standard errors are clustered at the municipality.

Trust

I test the effects of illicit-crop eradication on institutional trust by looking at responses from eight waves¹⁴ of a yearly national representative survey, ENVIPE. I leverage the timing of the survey to compare self-reported attitudes about institutions in municipalities where the government eradicated illicit fields before survey collection began to the attitudes of respondents living in municipalities where the government eradicated fields *after* the survey was collected.

All eight waves of the ENVIPE were collected by the National Institute of Statistics (INEGI) between March and April. I pool the eight waves of the survey and keep respondents who live in a municipality where the army reports having eradicated at least one illicit field during the year the survey was collected. Since illicit crops are grown in rural and remote areas, I look at respondents that live in rural communities inside these eradicated municipalities for the main analysis. Later, I use urban respondents, who are unlikely to have witnessed or experienced any eradication, as a placebo. After pooling, I have data from 25,287 unique respondents from rural communities in 323

¹⁴From 2013 to 2021, excluding 2020 because of COVID-19.

different municipalities from 25 different states in Mexico.

I fit a series of models with the following specification:

$$Y_{it[m]} = \gamma \text{EradicationBefore}_{tm} + \beta \mathbf{X}_{it} + \mu_t + \theta_m + \varepsilon_{it[m]} \quad (3)$$

Where $Y_{it[m]}$ is respondent i 's self-reported attitude towards a state institution in year t for a respondent living in municipality m . $\text{EradicationBefore}_{tm}$ is a dummy that takes the value of 1 if municipality m was eradicated between January and April of year t and zero if it was eradicated at a later month. μ_t are year fixed-effects, θ_m are municipality fixed-effects, and \mathbf{X}_{it} are respondent-level sociodemographic characteristics. Robust errors are clustered at the municipality level.

Results

Crop eradication: Electoral precinct

First, I present the precinct-level results from specification (1). As I discussed in the previous section, the contrast is between electoral precincts where the army only detected illicit fields and precincts with detected fields and predicted eradication, conditional on them being demographically similar, and in the same military zone the same year.

Columns 1 and 2 in Table 1 show the estimated difference-in-means in turnout between electoral precincts with at least one predicted eradication before federal elections and precincts with only illicit-field detection but no eradication. On average, eradication decreases turnout between 1.7 (the preferred specification) and 2 percentage points, or between 10% and 12% of a standard deviation. Additionally, columns 3 and 4 show that a one-unit increase in the log number of eradicated hectares decreases turnout by .87 percentage points.

To contextualize the magnitude of the effect: going from no eradication in a precinct to 23.5 destroyed hectares, the median amount for the treated group, is estimated to reduce turnout by $[\ln(23.5 + 1) - \ln(1)] \times -.87 \approx -2.75$ percentage points. Similarly, columns 4 and 5 show that a one-unit increase in the log number of eradicated fields before an election decreases turnout by around 1.5 percentage points. Alternatively, going from no eradication in a precinct to 13

destroyed fields, the median amount for the treated group, is estimated to reduce turnout by $[\ln(13 + 1) - \ln(1)] \times 1.55 \approx -4.1$ percentage points. That is equivalent to a decrease of almost 25% of a standard deviation.

	Turnout					
	(1)	(2)	(3)	(4)	(5)	(6)
Any eradication (dummy)	-1.974*	-1.696+				
	(0.936)	(0.979)				
Destroyed hectares (log)			-0.866*	-0.868*		
			(0.336)	(0.389)		
Destroyed fields (log)					-1.579**	-1.550**
					(0.518)	(0.546)
Controls:	Basic	Full	Basic	Full	Basic	Full
Fixed-effects: Year \times Military Zone	Yes	Yes	Yes	Yes	Yes	Yes
Num.Obs.	1039	1039	1039	1039	1039	1039
R2 Adj.	0.397	0.397	0.399	0.399	0.401	0.401

Two-tailed p-values: + $p < 0.1$, * $p < 0.05$, ** $p < 0.01$

Table 1: Illicit-crop eradication and turnout in federal elections for deputies: precinct-level results. Dependent variable measures turnout as the share of all registered voters in the electoral precinct. Robust standard errors clustered at the electoral precinct level.

Measurement concerns

One worry when interpreting the results in Table 1 is that that the effects capture something unrelated to eradication because treatment is predicted instead of observed. I conduct several ancillary analyses to validate the measure.

First, I use the 8.1% of the satellite detection data observations that the army labeled false-positives. I classify these “false” fields as eradicated using the same algorithm described in the previous section and estimate the effect of their “destruction” on turnout. One way of conceptualizing the effect of “false field eradication” on turnout is as the effect of wildfires or controlled fires in places *without* illicit fields. Table 2 reports the results of this placebo test. Suppose predicted eradication in true illicit fields systematically captures false-positives. In that case, the effects reported in Table 1 should be similar in direction and magnitude to what we observe in columns 1-2 of Table 2. However, the estimated difference-in-means effect of eradicating any “false” field on turnout is *positive* and not significant, while the estimated effect of destroying an additional log field is much smaller in magnitude and statistically insignificant. The placebo test is particularly

stringent if false-positives are more common in places suitable for illicit-crop-growing. Although the magnitude of the standard errors in column 2 alerts us that the analysis is underpowered, back-of-the-envelope calculations using the estimated standard error of the simple difference-in-means estimator show that this specification is precise enough to detect effects of only $0.047 \times 2.8 = 0.13$ percentage points.¹⁵

	Turnout	
	(1)	(2)
Any false-positive “eradication” (dummy)	0.031 (0.047)	
False-positive fields “destroyed” (log)		-0.365 (1.504)
Controls:	Full	Full
Fixed-effects: Year \times Military Zone	Yes	Yes
Num.Obs.	1039	1039
R2 Adj.	0.397	0.397

Cluster-robust standard errors shown in parentheses.

+ $p < 0.1$, * $p < 0.05$, ** $p < 0.01$

Table 2: False-positive eradication and turnout at the precinct level. Dependent variable is turnout on federal elections for deputies, measured as share of all registered voters. Independent variable is the (log+1) number of illicit fields, later determined to be false-positives, that the algorithm predicts were eradicated in each electoral precinct. Robust standard errors clustered at the electoral precinct level.

Second, I contrast the algorithm’s results, aggregated at the municipality level, with the official municipal-level data published by the army. I then check for municipalities where the algorithm predicts eradication during months when the army does not report any. Predicted destroyed fields in municipalities during months when no official eradication occurred accounted for only 12.2% and 11.8% of all predicted eradicated fields in 2015 and 2018. This low percentage of false positives does not account for incorrectly dated true positives: fields destroyed in these municipalities but on the prior or subsequent month from the one predicted by the algorithm.

Last, I simulate the sampling distribution of the most imprecisely estimated outcome, the difference-in-means estimator, under different assumptions of the “true” proportion of misclassified observations. Section A6.1 in the Appendix explains the simulation in detail. Results show that more than 45% of treatment units or more than 40% of control units would need to be misclassified for misclassification to explain away the weakest effect. To test whether this level of

¹⁵ Assuming 80% power for a 95% confidence interval.

misclassification is plausible, I obtained official geolocated data from the Mexican army on illicit field destruction data for 2019 and 2020¹⁶ to benchmark the predicted eradication measure. I compare the measure of predicted eradication with geolocated reported eradication for this period and estimate the proportion of false positives and negatives included in the data. Comparing my measure of predicted eradication with the army’s official reports, I find that 9.45% of control units were possibly misclassified as treatment, and 22.8% of treated units were possibly misclassified as control, not enough to overturn the results according to the simulations.¹⁷

Selection concerns

The identifying assumption for the precinct-level results is that precincts where the army detected, but did not destroy illicit fields, are a suitable counterfactual to precincts where the army destroyed illicit fields, conditional on them being demographically similar and in the same military zone, during the same year. The results would be biased if electoral precincts where the army eradicated fields were systematically different in ways that covaried with political participation. Specifically, one might worry that poorer, less well-connected precincts within military zones are more likely to get eradicated and that these precincts, in turn, are less likely to participate politically.

However, it is difficult to think of the army adjusting its behavior as a function of the arbitrary geographic delineation of electoral precincts. First, the national electoral authority draws all the federal electoral precincts. Once drawn, the only two adjustments the federal electoral authority (INE) makes are to remove electoral precincts or join them with adjacent precincts when population sizes change too drastically. Consequently, precincts often were drawn decades before and straddle multiple communities, making them independent to political dynamics.

Alternatively, we could worry that when deciding between eradicating similar fields, army soldiers could systematically choose to eradicate more accessible fields that imply less work for them. If political participation covaries in the geographic characteristics, then field-level selection could explain part of the results. To discount this possibility, I test how well geographic characteristics predict eradication. I model the probability θ that illicit field i in electoral precinct p was counted

¹⁶Freedom of Information Request Folio 330026422005695. I thank José Luis Pérez Castellanos for generously sharing the data.

¹⁷I cannot distinguish fields that were detected via satellite and later eradicated from fields that were detected with other methods with the geolocated army data on eradication. Thus, the proportion of false negatives is likely overstated.

as eradicated as follows:

$$\theta_{i[p]} = g^{-1}(\gamma \text{DistanceToArmy}_i + \beta \mathbf{X}_p + \mu_t + \theta_z)$$

Where DistanceToArmy_i is the distance from illicit field i to the corresponding military zone's headquarters in decimal degrees, \mathbf{X}_p is a vector of precinct-level covariates, including the proportion of precinct p 's surface area that is occupied by grassland, agriculture, forest, and human settlements, and a dummy variable that takes the value of one if any paved roads pass through the electoral precinct and zero otherwise, μ_t are year fixed-effects, θ_z are military zone fixed-effects, and $g(\cdot)$ is the logistic link function.

Table A4 in the Appendix shows this model's confusion matrix. Geographic characteristics do a very poor job of predicting eradication: only 0.13% of all eradicated fields are correctly predicted to be eradicated, lending credence to the identifying assumption.

Crop eradication: Municipality

Next, I present the results of specification (2). Recall that all municipal-level analyses use official monthly data on crop eradication reported by the army. Thus, this specification should help assuage concerns that the results are driven by the construction of the precinct-level eradication measure.

Column 1 in Table 3 shows the estimated effect of the army doing *any* manual eradication on turnout relative to no eradication before the elections. On average, eradication before the election, relative to eradication after, is estimated to decrease turnout by 1.8 percentage points, or 12.4% of a standard deviation (p-value 0.057). Columns 2 and 3 show the estimated marginal effect of a one-log unit increase in the number of eradicated fields and hectares respectively. The effects are estimated more precisely as expected from the added variation of continuous measures. A one-unit increase in the log number of eradicated fields is estimated to decrease turnout by around .5 percentage points, while a similar increase in the log number of eradicated hectares decreases turnout by almost one percentage point on average. To contextualize the magnitude of the effects: going from no fields destroyed prior to the election to the median number of destroyed fields and hectares in the treated group, 18 and 2.6, respectively, is expected to decrease turnout by

	Turnout (1)	Turnout (2)	Turnout (3)
Any eradication (dummy)	-1.763+ (0.927)		
Manually er. fields (log)		-0.494* (0.233)	
Manually er. hecets. (log)			-0.981** (0.344)
Fixed-effects: Municipality	Yes	Yes	Yes
Fixed-effects: Year	Yes	Yes	Yes
Num. Obs	1253	1253	1253
R2 Adj.	0.660	0.661	0.663
Two-tailed p-values: + p < 0.1, * p < 0.05, ** p < 0.01			

Table 3: Illicit-crop eradication and turnout in federal elections for deputies: municipal-level results. Dependent variable measures turnout as the share of all registered voters in the municipality. Robust standard errors clustered at the municipality level.

$[\ln(18 + 1) - \ln(1)] \times -0.494 \approx -1.45$ percentage points and $[\ln(2.6 + 1) - \ln(1)] \times -0.981 \approx -1.26$ percentage points.

Including year and municipal fixed-effects guard against time-invariant unit-specific confounders or year-specific confounders common to all municipalities. Additionally, by comparing municipalities eradicated before an election to those eradicated after, the design plausibly accounts for time-variant unobserved confounders common to all *eradicated* crop-growing municipalities. However, for columns 2 and 3 in Table 3 to recover the average effect of a marginal increase in the intensity of eradication given the continuous nature of the treatment, effects must be constant across groups, periods, and dosages (Callaway, Goodman-Bacon and Sant’Anna, 2024). I fit the same two models with a flexible ten-knot cubic regression spline and plot the results in Figure A3. This exercise provides evidence that the effects are plausibly constant across different dosages for the log number of eradicated hectares; however, the effects across dosages are heterogeneous for the log number of eradicated fields. While $\hat{\gamma}$ will still recover a causal quantity in the absence of time-varying confounders, precincts in military zones with less cross-sectional homogeneity treatment assignment will contribute more variation to the estimation.

Trust

Next, I look at how eradication affects people’s self-reported level of trust in several government institutions by drawing on the information collected in the yearly survey, ENVIPE. The survey

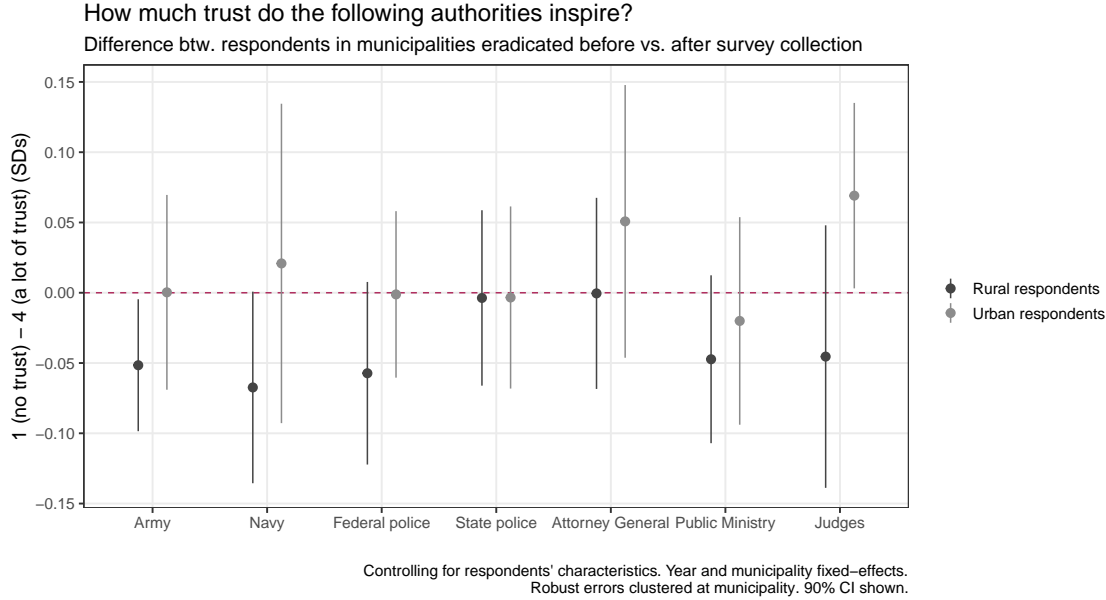


Figure 3: Figure plots the 90% confidence intervals of the difference-in-means ($EradicationBefore_{t,m}$ in specification 3) in self-reported trust in each authority for respondents living in rural areas of municipalities eradicated before vs. after the survey was collected. All specifications include year and municipality fixed-effects and controls for respondent-level characteristics (age, sex, and educational attainment). Robust errors are clustered at the municipality level.

does not explicitly ask about trust in the federal government. However, it does ask about trust in all other institutions related to the provision of security.

The results for rural respondents, reported in dark gray in Figure 3, suggest that eradication in rural areas dampened people’s trust in federal law enforcement corporations generally. Reported trust in the army, the navy, and the federal police is around .05 standard deviations lower when respondents lived in a municipality eradicated before survey collection. However, only in the case of the army the difference is statistically significant at conventional levels. For the rest of the non-federal or non-policing agencies there is no difference in trust.

Next, I use respondents from *urban* localities as a placebo. Since illicit crops are grown in remote areas, urban respondents are less likely to witness eradication. I test for differences in trust with this different sample and report the results in light gray in Figure 3. Reassuringly, only the coefficient for trust in judges is statistically significant in the case of urban respondents- and positive in magnitude- despite the sample being more than twice as large as those conducted with rural respondents. Further, the estimates’ magnitude for differences in trust in the army or other federal policing agencies is precisely zero or very close to zero.

While survey evidence indicates that people exposed to eradication trust the army less, identification depends on the timing of eradication at the municipal level being orthogonal to potential political participation. One possible threat to identification is that people in communities eradicated earlier in the year are generally less trusting and thus participate less in elections. I check for this possibility by comparing their responses to self-reported trust in family and neighbors and report the results in Figure A4. I find no significant difference in these measures, and the point estimates are very close to zero.

Alternative Explanations

Income

Thus far, results show that eradication decreases turnout and trust in the army. While the hypothesized mechanism hinges on citizens' changes in beliefs and electoral incentives, a reasonable concern is that the loss of income could mechanically depress participation. While extant research on the correlates of income and voting in Latin America finds a null or weak association between the two (Carreras and Castañeda-Angarita, 2014), the economic interdependence of illicit crop-growing towns¹⁸ makes the income channel essential to test.

To explore the importance of the economic channel, I leverage the 2018 collapse of the price of poppy due to the increased demand for fentanyl. While poppy was selling for record prices between 2014 and 2017, its price fell by around 50% in 2018 (Le Cour Grandmaison, Morris and Smith, 2019*a*). Thus, the lost income from an eradicated field in 2015 was significantly higher than the lost income from one eradicated just three years later. Section A7.1 in the Appendix describes the analysis in detail. The estimated effects of eradication on turnout are of comparable magnitude both in 2015 and 2021. Further, contrary to what we would expect if the loss of income drove the effects, the point estimates for 2015 are less negative than in 2018 for both cases, suggesting that the negative economic shock of eradication cannot explain the results, at least in isolation.

¹⁸For instance, Le Cour Grandmaison, Morris and Smith (2019*b*) estimate that 75% of individuals in a crop-growing town in Nayarit and 95% in a crop-growing town in Guerrero profited directly from resources obtained through illicit harvesting.

Compositional changes

Next, I consider the possibility that the identified effects are a function of population changes. I first consider whether arrests could mechanically decrease turnout by reducing the population in an electoral precinct. Using a freedom of information request, I obtained data on the number of people arrested for illicit-crop farming each year. Although growing illicit crops is a felony that warrants jail time, the data show that the penalty is not routinely enforced. Specifically, while the mean yearly number of sentences for the crime of illicit-crop harvesting between 2007 and 2020 was only 59, according to the Attorney General’s office, the mean number of yearly eradicated fields in the period was 188,691.

Alternatively, one could worry that eradication operations force people to leave their communities and find work elsewhere. Ethnographic work has documented migration away from crop-growing communities. However, the phenomenon is linked to changes in crop-harvesting profitability, not government activity (Le Cour Grandmaison, Morris and Smith, 2019*b*). In fact, historians have pointed to the profitability of crop harvesting as a tool that has allowed communities to *resist* pressures to emigrate to cities (Le Cour Grandmaison, Morris and Smith, 2019*a*). Additionally, the control group should account for any changes in migratory pressures, common to crop-growing communities.

However, given extant work on displacement and coca fumigation in Colombia (Dion and Rusler, 2008), this channel is essential to examine. To do so, I use data on the number of people who changed their voting address and the electoral precinct they moved from and to. While this measure will fail to pick up individuals who do not keep their address up to date with the electoral authority, in Mexico, more than 97% of those eligible have a valid voting ID card (Finan, Seira and Simpser, 2021). If there is a net deficit of people moving from precincts where the army eradicated fields to precincts where it merely detected fields, it will alert us that compositional changes could explain part of the effect mechanically. On average, 3.2 and 5.8 people moved from each precinct with eradicated crops to a precinct with crops and no eradication in 2015 and 2018, respectively. However, during those same years, 3.3 and 5.9 people moved from a precinct with crops and no eradication to a precinct with crops and predicted eradication. Consequently, the average net difference is small and *positive*. Overall, data on arrests and address changes do not suggest that

population changes are mechanically driving the effects.

Violence

Lastly, I consider the possibility that eradication operations affect participation through increased violence. This alternative explanation holds that eradication affects cartels' relative strength, which fuels drug-related violence, resulting in lower turnout. It is improbable that eradication operations significantly affect drug cartels' income because often growers, not cartels, own the crops and absorb the economic costs (Álvarez Rodríguez, 2021*a*; Farfán-Mendez, 2021). Further, cartels have diversified to synthetic drugs like fentanyl (DEA, 2021), unaffected by drug eradication operations. Lastly, even if field destruction negatively impacted drug-trading organizations' finances, illicit crop growing is the step with the least value added in the drug-trafficking chain and, thus, the least likely to result in violent cartel readjustment.

However, as a descriptive exercise, I look at whether official municipal-level data on eradication predict changes in lethal violence one month and two months after. As Figure A7 shows, eradication is a poor predictor of homicide down the line. Using a two-way fixed-effects design, I find no relationship between eradication and the change in lethal violence the following month and a close-to-zero relationship between eradication and lethal violence two months later.

Conclusion and Discussion

In this paper, I emphasize how the US focus on source country operations has deeply influenced counternarcotics policy in drug-producing countries, incentivizing their governments to focus on supply reduction. I examine the case of illicit crop eradication operations in Mexico to explore the political consequences of adopting supply-reducing counternarcotics tactics for producing countries. Attitudinally, I show that such operations decreased trust in the army, consistent with ethnographic research showing that these army-led operations are understood as unjust and aggressive by crop-growing communities. Behaviorally, I show that army-led crop eradication operations depressed electoral participation in Mexican federal elections. I interpret the latter result as evidence that aggrieved individuals correctly understand eradication policy as unresponsive to their preferences. With a battery of ancillary analyses, I explored the possibility that measurement error or selection

bias could spuriously drive the results, finding little evidence to support such claims.

The results have important implications for policing and security in Latin America, where 17 of the 22 countries identified as major drug transit or drug-producing centers are. Latin America is the most violent region in the world (Vilalta, 2020). Governments have responded to domestic security concerns by investing in their coercive capabilities, militarizing their police, and increasing law enforcement efforts (Lehman, 2006; Brinks, 2007; Flores-Macías and Zarkin, 2021). However, these Latin American governments have simultaneously invested significant resources and effort in supply reducing operations. This paper suggests that efforts to reduce supply, when understood as unfair and aggressive by grower communities, can depress trust and potentially undermine electoral accountability. If trust facilitates cooperation and makes policing more effective, as some evidence suggests (Peyton, Sierra-Arévalo and Rand, 2019; Skogan, 2006), then by alienating people who live in the peripheries of crime, source country operations might be especially undermining of efforts to improve domestic security.

Last, the results have important implications for the study of voter behavior by emphasizing how participation is a strategic decision taken in a constrained political context. Governments are politically motivated to tailor policy to fit voters' preferences *and* the preferences of other organized interests, like lobbies, corporations, and foreign countries. The relative strength of these distinct actors will produce policy that is “good for some people and bad for others, depending on who has the power to impose their will.” (Moe, 2005) By the same token, we should expect heterogenous political responses that follow from differences in the political context from within which voters react. Specifically, this paper stresses how voters, relatively weakened by pressure exerted by foreign aid, can withdraw from electoral politics instead of mobilizing. Such a reaction by voters can dilute the connection with their elected representatives and further weaken voters relative to other organized interests, increasingly aggravating the dynamic.

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