

Drug Enforcement Administration



Methamphetamine and Pseudoephedrine Update

15th National Conference On Pharmaceutical & Chemical Diversion

June 2006

Methamphetamine

- Abuse
- Methamphetamine Production Trends
- DEA Control Strategy
- Corresponding Shift in Trends
- State Actions
- Misconception Regarding Combination Products, Liquids & Gel-Caps

FORMS OF METHAMPHETAMINE



Methamphetamine powder

Powder – Most common form in the U.S; bitter-tasting; water-soluble; colors ranging from dingy white to reddish brown, depending on the manufacturing process.

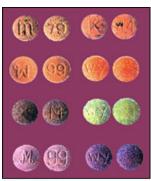
Use: Injected, snorted, smoked or orally ingested.



ce methamphetamine

Ice – A very, pure smokable form; glasslike in appearance; differs from powder meth due to a recrystallization process in which impurities are removed from the meth; the finished product is then broken into chunks.

Use: Smoked or inhaled through a straw (or similar device).



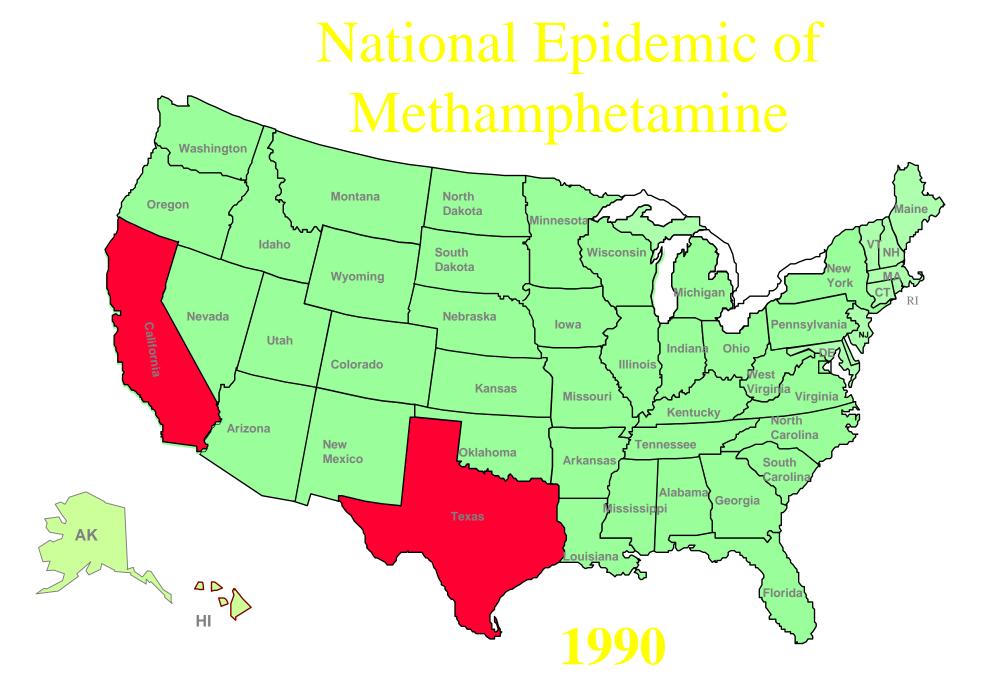
Yaha tablets

Yaba – Most common form in Southeast and East Asia; tablets are a composite of methamphetamine and caffeine; commonly colored reddish-orange or green with a variety of logos pressed on the tablets; primarily manufactured in Burma.

Use: Orally ingested.

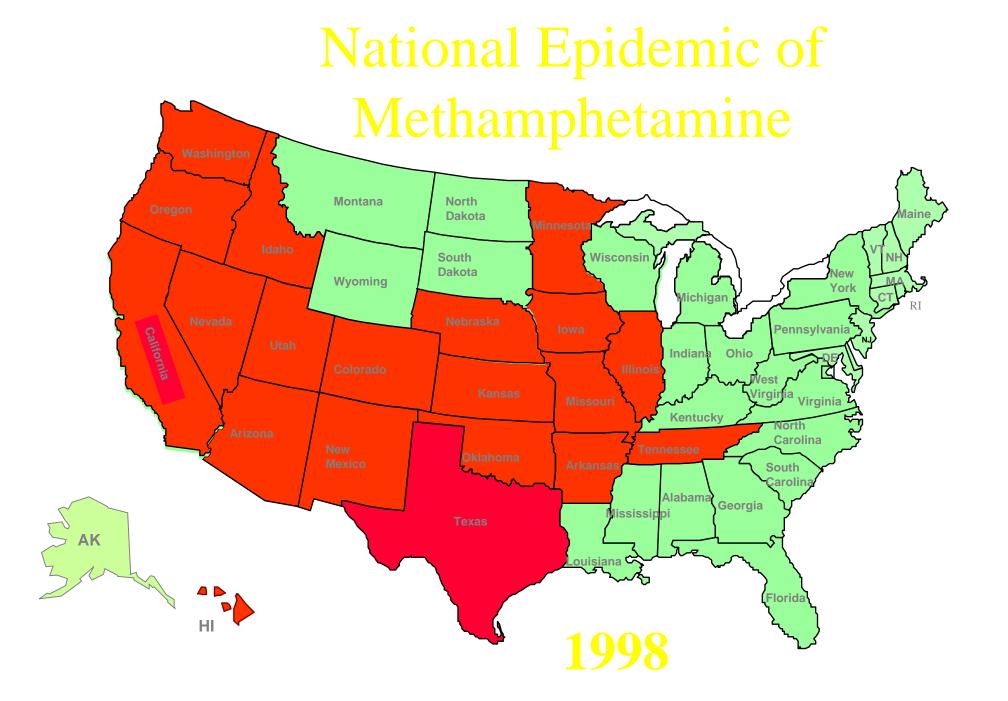
METHAMPHETAMINE DRUG ABUSE

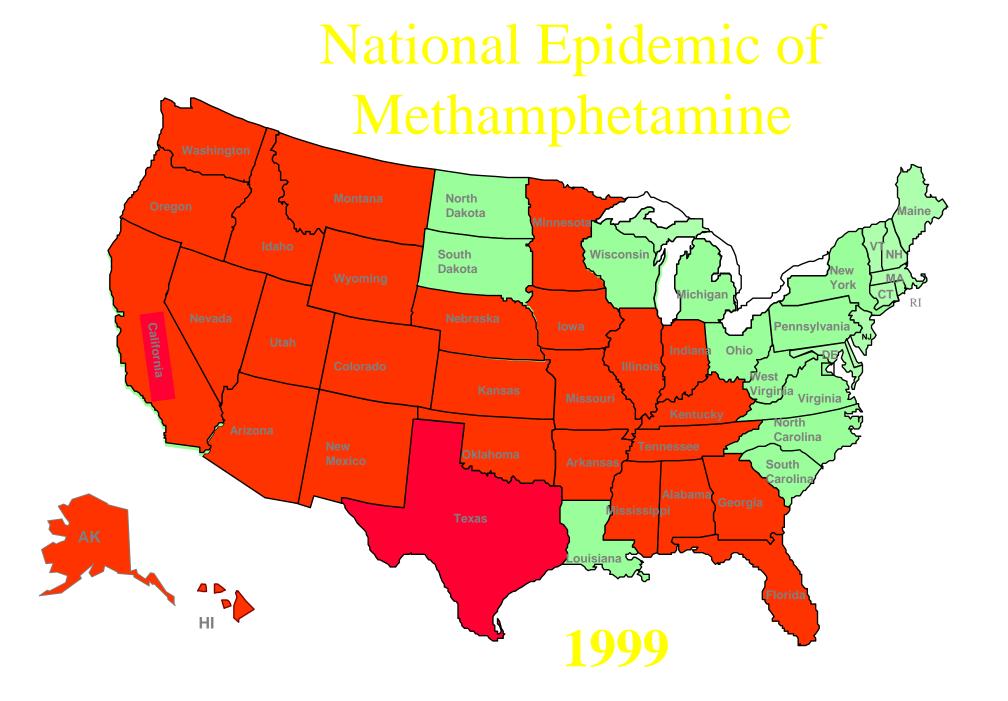


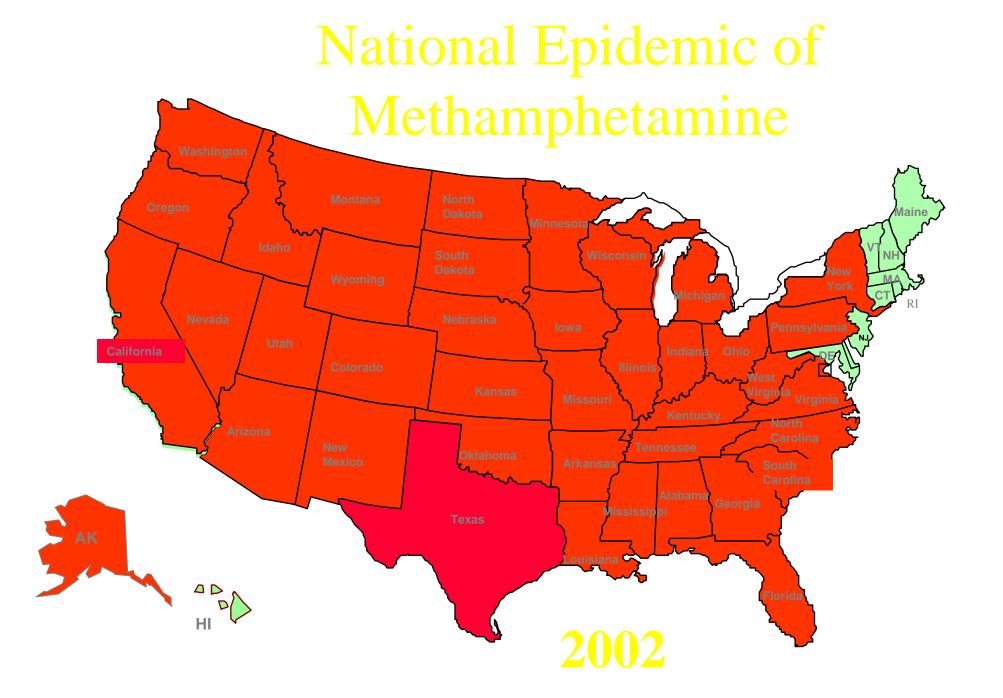


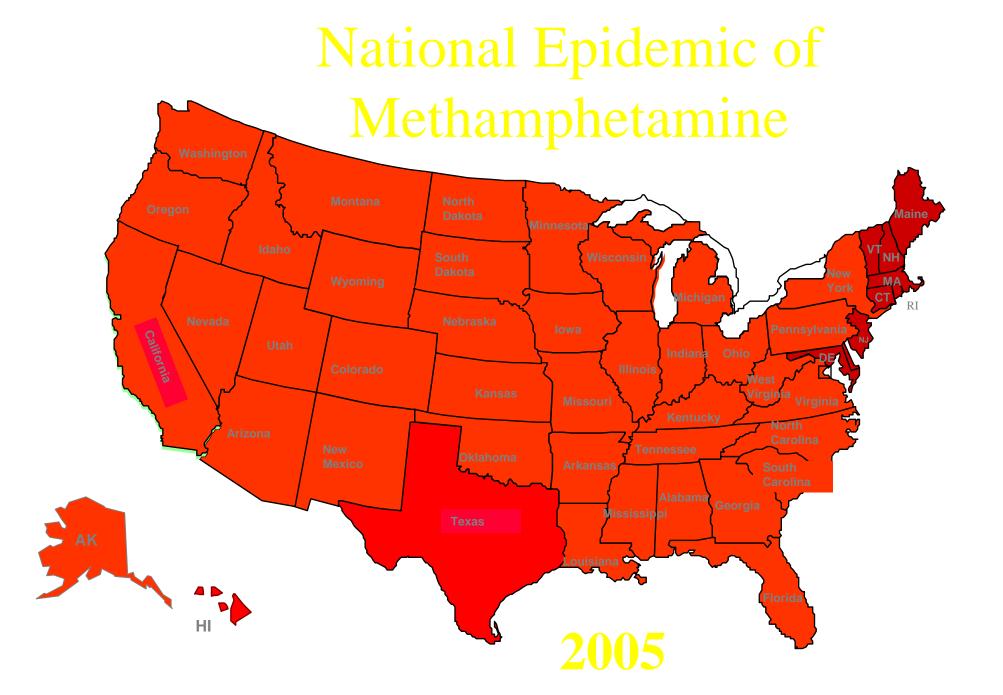
National Epidemic of Methamphetamine Montana North **Dakota** Minnesota Idaho Wisconsin / South **Dakota** Wyoming Michigan Nevada Nebraska **Pennsylvania** Iowa Ohio Indiana Colorado Illinois **Kansas** Missouri Kentucky Carolina New **Tennessee** Oklahoma Mexico South **Arkansas** Carolina Alabama Georgia Mississippi AK <u>Louisi</u>ana [⊆] **Florida**

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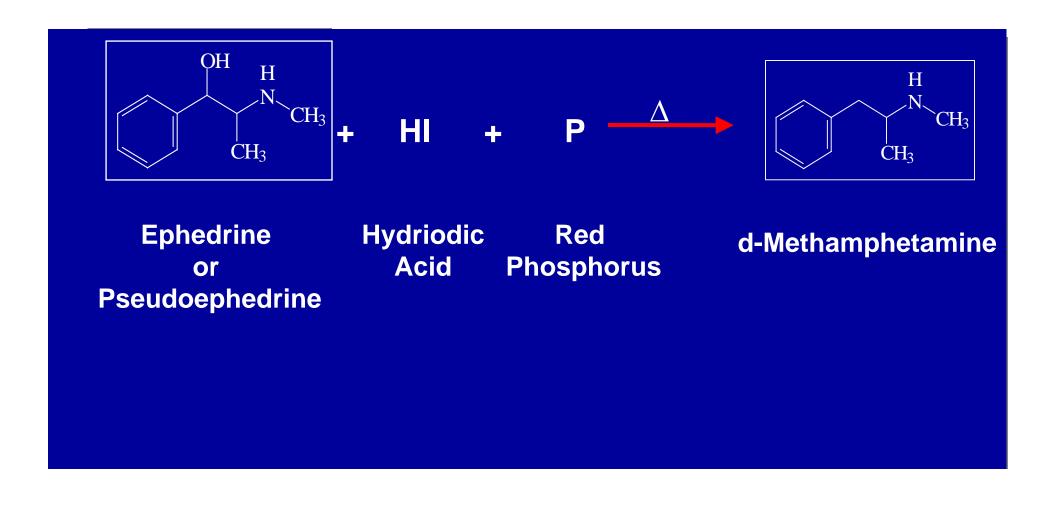


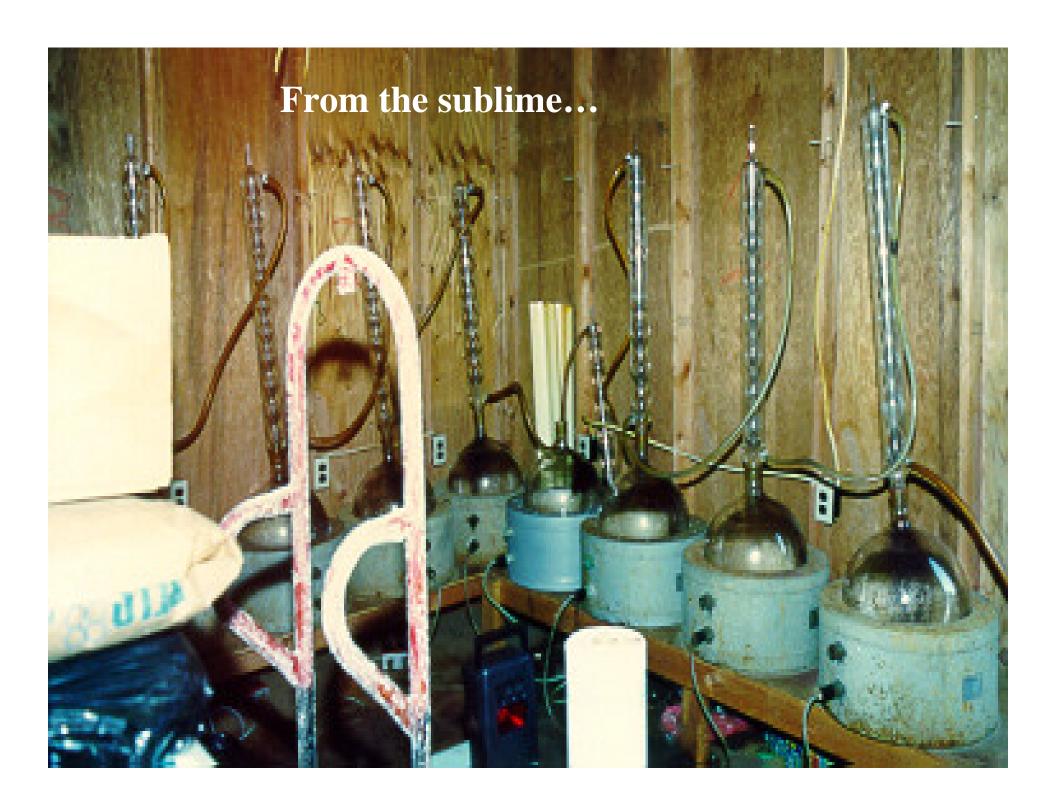






Methamphetamine Production

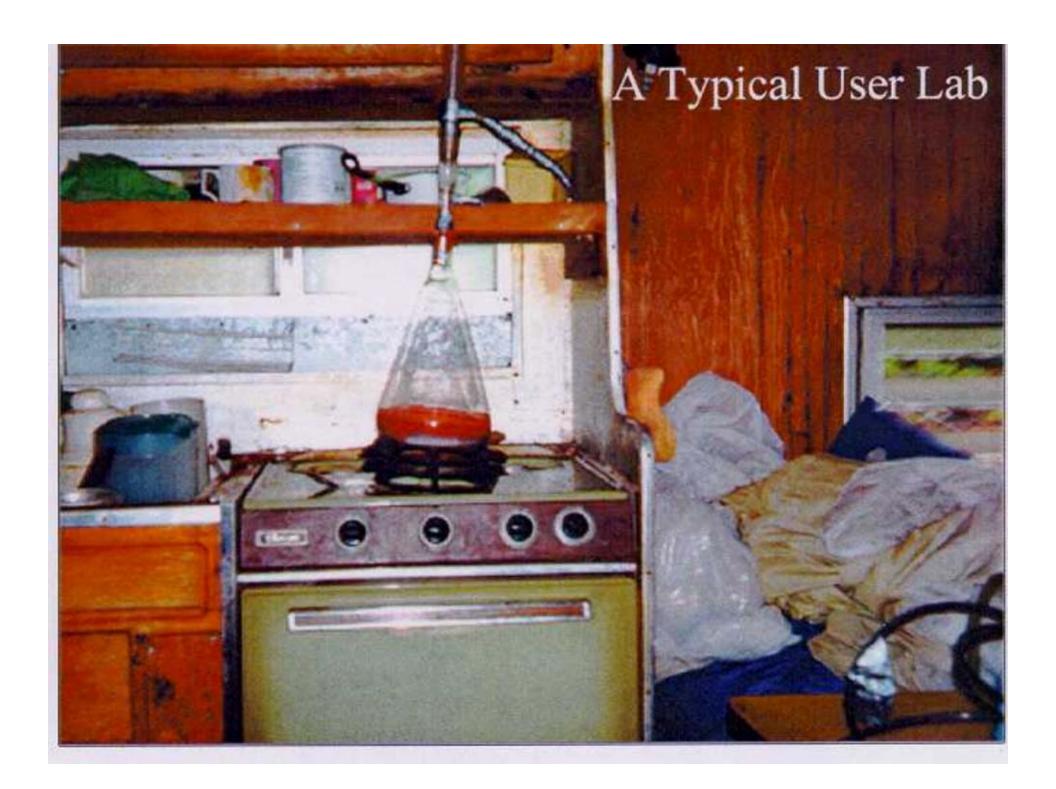


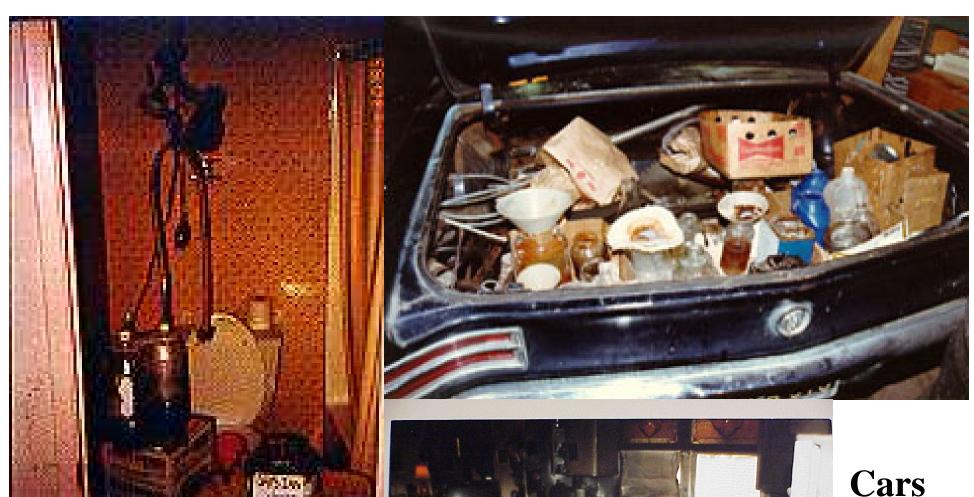








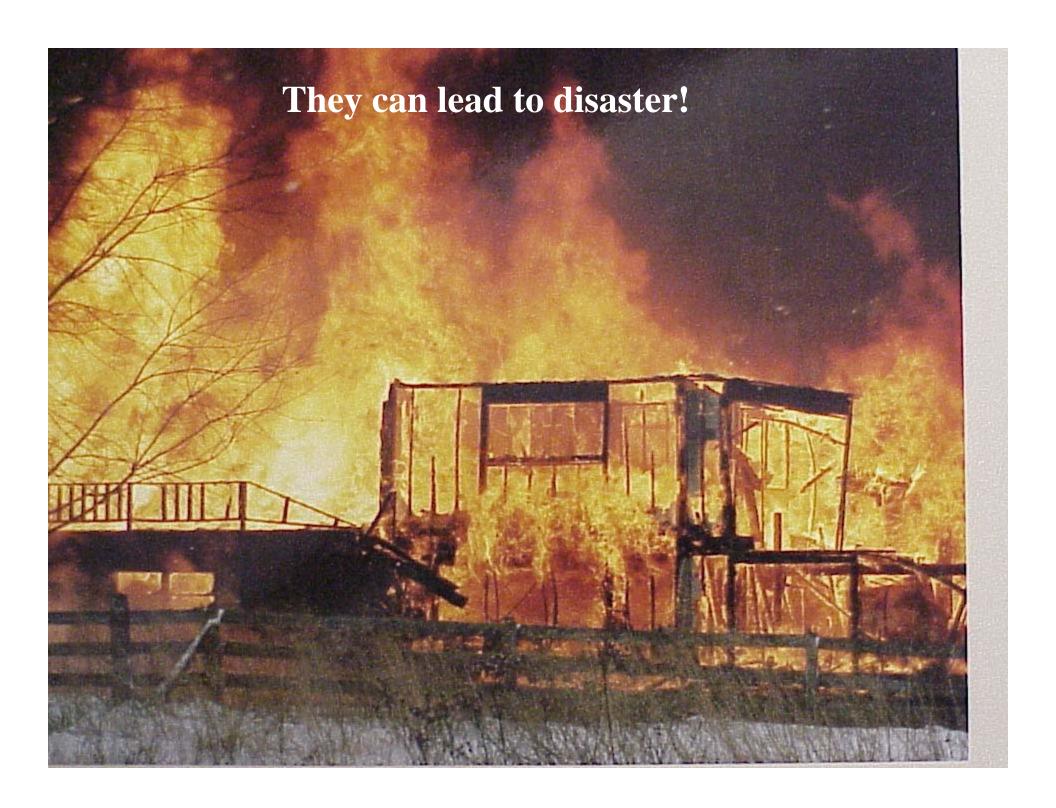




Methamphetamine labs can be found anywhere.

Cars Hotels Homes







•Tampa, FL

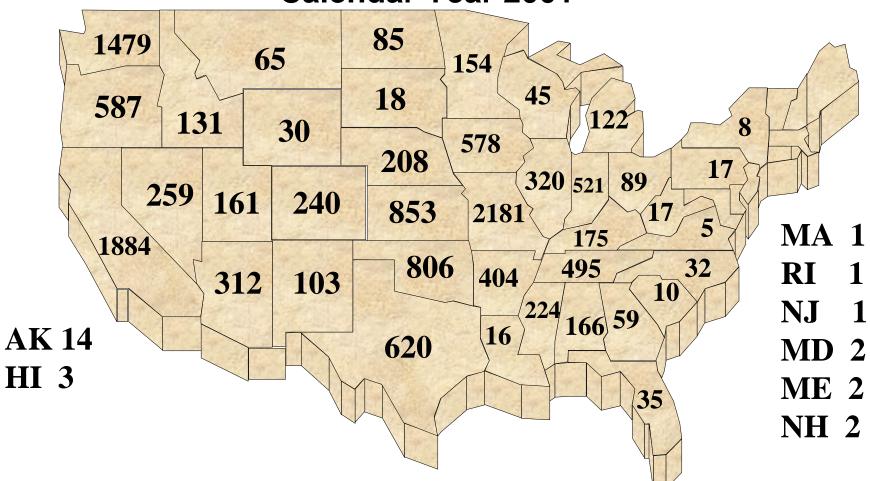
- •Lab Cook broke into Anhydrous Ammonia Pipeline
- •Released cloud of AA gas
- 500 Acres Scorched – Killed Wildlife in Area.
- •2 schools (2,000 students) closed for 2 days
- •Housing subdivision sealed off

- 1 lb of Meth Produced Yields 5- 6 Pounds of Toxic Waste
- Waste is Often
 Dumped into
 Waterways or Sewage
 Systems
- Clean Up Costs
 1998 \$5.5 Million
 2005 17.8 Million
 (down from a high of \$23 M in 2002)





All Meth Clandestine Laboratory Incidents (Labs, Dumpsites, Chem/Glass/Equipment) Calendar Year 2001



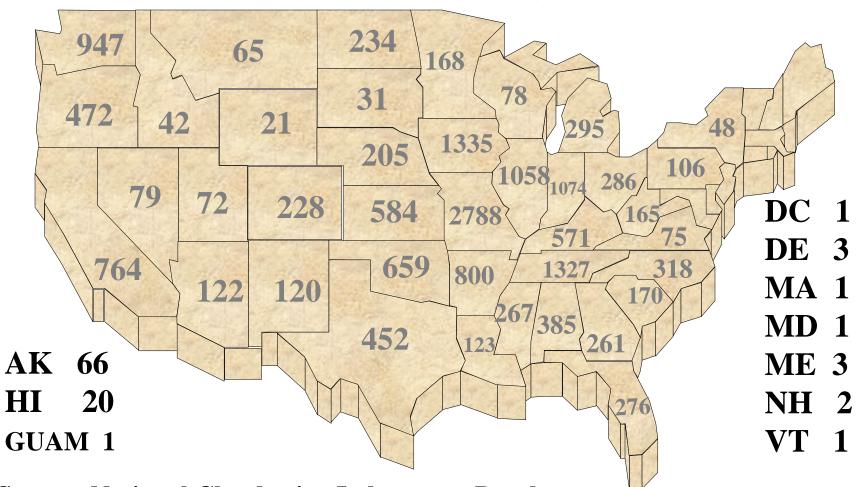
Source: National Clandestine Laboratory Database

Total: 13,540 / 47 States Reporting

Dates: 01/01/01 to 12/31/01

Totals are based on data reported to EPIC and entered into the CLSS as of 04/13/05

Total of All Meth Clandestine Laboratory Incidents Including Labs, Dumpsites, Chem/Glass/Equipment Calendar Year 2004



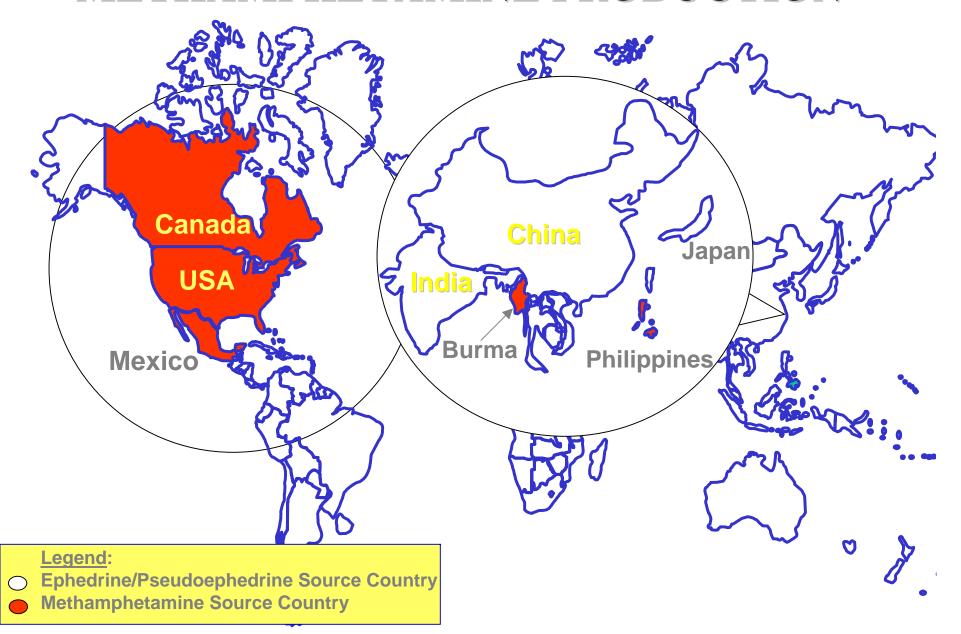
Source: National Clandestine Laboratory Database

Total: 17,170 / 47 States Reporting

Dates: 01/01/04 to 12/31/04

Totals are based on data reported to EPIC and entered into the CLSS as of 08/22/05

METHAMPHETAMINE PRODUCTION



The Chemical Laws

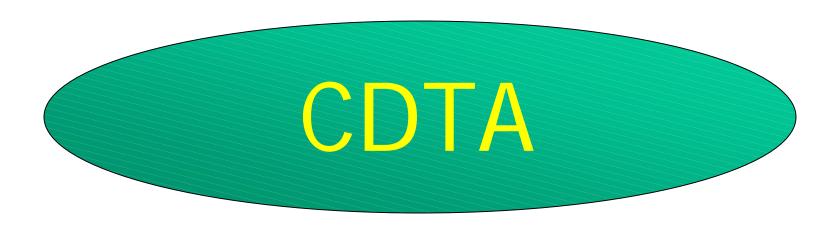
Phase 1 - 1988 - CDTA

Phase 2 - 1993 - DCDCA

Phase 3 - 1996 - MCA

Phase 4 - 2000 - MAPA

Chemical Diversion & Trafficking Act of 1988



Phase 1

CDTA - Chemical Diversion and Trafficking Act of 1988

Created to reduce illicit drug production by denying drug traffickers the chemicals they need to produce illicit drugs.

Placed under Federal control the importation, exportation and domestic distribution of Listed Chemicals and tableting /encapsulating machines.

CDTA - Chemical Diversion and Trafficking Act of 1988

Gave DEA the <u>authority to stop imports or</u> <u>exports of Listed Chemicals</u> not destined for legitimate use.

Required reports of suspicious orders to DEA

Benefits of the CDTA

- Greatest impact in the international arena
- Reduced exports of listed chemicals to countries that are known sources of cocaine

Shortcomings of the CDTA

- DEA had to prove that an individual knowingly supplied chemicals to persons engaged in illicit manufacture in order to be able to take any action.
- Pertaining to methamphetamine, only **bulk** ephedrine powder was controlled

The Domestic Chemical Diversion Control Act of 1993



Phase 2

Benefits of the DCDCA

- Provided for registration of List I chemical handlers
- Eliminated ephedrine tablet (single-entity) loophole

Shortcomings of the DCDCA

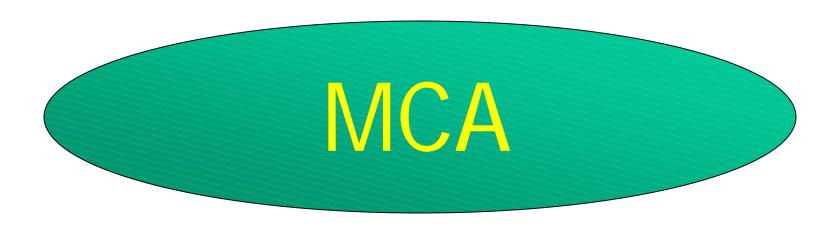
- Required brokers and traders based in the U.S. to be subject to the reporting and record keeping requirements
- No "broker" registration category
- No controls on **combination** ephedrine, pseudoephedrine, and phenylpropanolamine

Pseudoephedrine Extraction Laboratory in California





The Comprehensive Methamphetamine Control Act of 1996



Phase 3

Summary of the MCA

• <u>Eliminated</u> the exemption for drug products that contain ephedrine, pseudoephedrine or phenylpropanolamine (now controlled).

• Established "blister pack" exemption

Methamphetamine Anti-Proliferation Act of 2000



Phase 4

Benefits of MAPA

- Reduced threshold for retail sales of PSE and PPA from 24 gms to 9 gms in single transaction
- Package size of no more than 3 gms of PSE or PPA base per package
- Reduced threshold applies to mail order and Internet sales

Shortcomings of MAPA

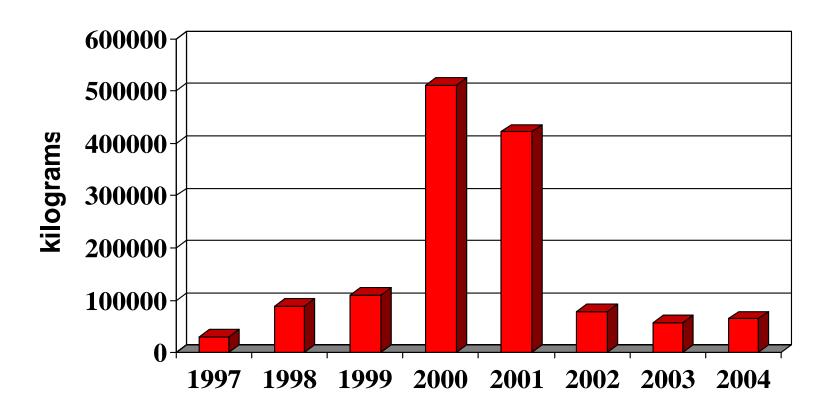
• 9 gram retail thresholds did not apply to combination ephedrine products

• Safe harbor packaging (Blister packs) continue to be exempt

Shifting Trends in Trafficking

- Primarily domestic sources of precursor for domestic methamphetamine production 1980 1999
- To Canada as source of pseudoephedrine tablets 1999 -2001
- To Mexico as source for pseudoephedrine and methamphetamine production
 2002 - present

Canadian Imports of Pseudoephedrine



Canadian Pseudoephedrine Trafficking



August 2000 100 tablets per bottle



April 2001 23,000 tablets per bottle

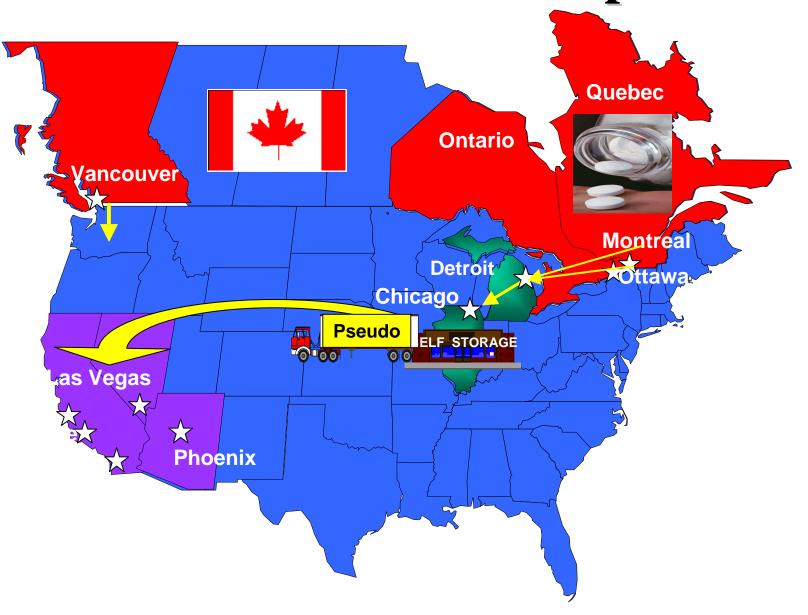


January 2001 1,000 tablets per bottle

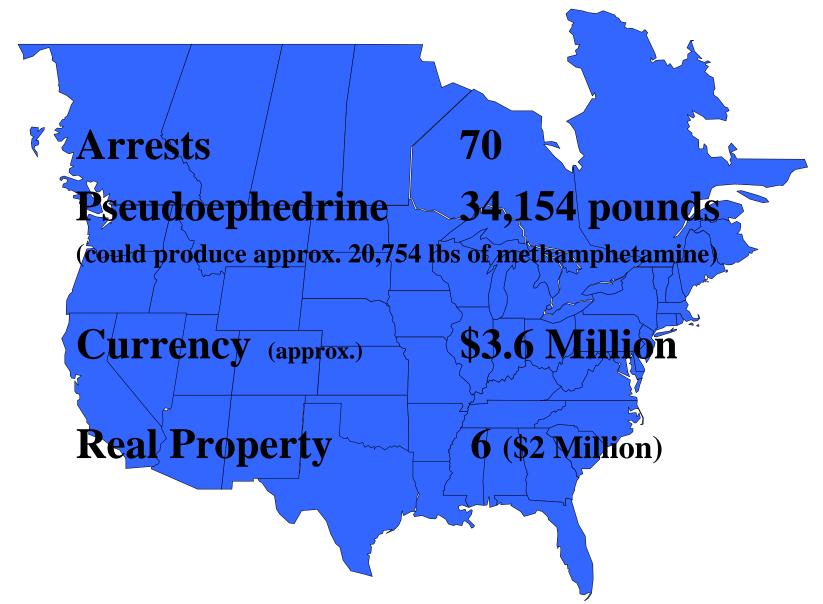


December 2001 80,000 tablets per container

Shift to Canadian Pseudoephedrine



OPERATION NORTHERN STAR ARRESTS & SEIZURES



Pseudoephedrine Trends

- Decline in Super Lab Seizures.
- Since Operation Northern Star, Canadian border seizure events involving ephedrine and pseudoephedrine declined 85%, from 419 in 2001 to 61 in 2003.
- Seizures of methamphetamine along the southwest border of the U.S. and Mexico have increased 96%, from 1,170 kg in 2001 to 2,299 kg in 2004.
- In March and April 2003, the U.S. and Panama made four seizures, totaling 19 million tablets of pseudoephedrine tablets destined to fictitious companies in Mexico.

Per EPIC, August 29, 2005

Super Lab Seizures

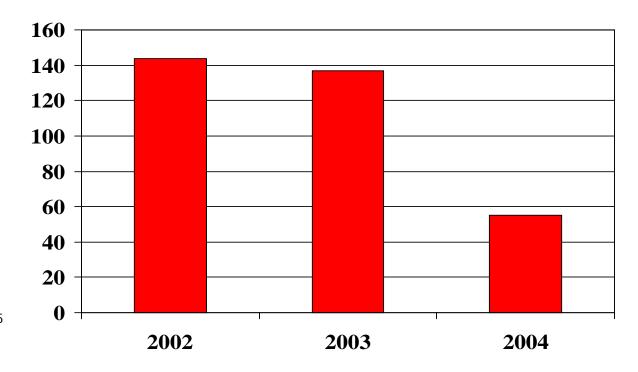
• 2002 144 US (130 CA)

• 2003 137 US (132 CA)

• 2004 55 US (30 CA)

• 2005 34 US

76% reduction since 2002.



Per EPIC August 22, 2005

Southwest Border* Methamphetamine Seizures: 1998-2005

1998	807 Kilograms
1999	1,099 Kilograms
2000	1,251 Kilograms
2001	1,170 Kilograms
2002	1,129 Kilograms
2003	1,783 Kilograms
2004	2,299 Kilograms
2005	1,132 Kilograms YTD

^{*}Source: EPIC, Southwest Border Seizure Statistics, as of 8/29/05; the southwest border methamphetamine statistics are for the states of Texas, New Mexico, Arizona and California.

DEA Methamphetamine Strategy

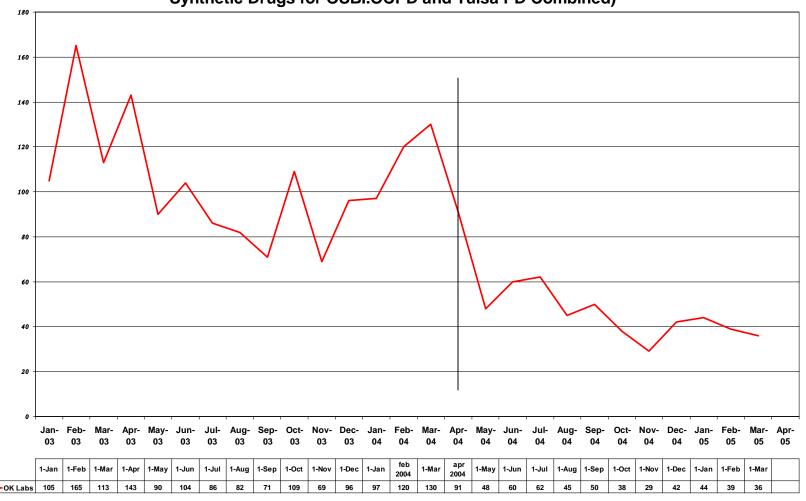
- Focus on Mexican Meth Organizations (Priority Targeted Organizations)
- Target the Diversion of Pseudoephedrine and Ephedrine to Mexican PTO's
- Support Pseudoephedrine Legislation; both State and Federal
- Target Repeat Offenders of STL Manufacturers for Federal Prosecution

OKLAHOMA BILL (OKH2176) Passed March 22, 2004

- 1st State to place pseudoephedrine tablets into Schedule V.
- Requires pseudoephedrine to be dispensed by a pharmacist or technician. (kept behind counter)
- Purchaser must produce photo ID and sign a log.
- Allows a person to buy 9 grams in a 30 day period. (excluding liquid or gel form)
- OK media: Lab arrests has fallen by 37% (April 2004)

Oklahoma Lab Seizures (Jan 03-March 05)

(Source: OK Bureau of Narcotics as reported to the Interagency Working Group on Synthetic Drugs for OSBI.OCPD and Tulsa PD Combined)



Pseudoephedrine Legislation

• Currently 43 states have enacted or proposed legislation which imposes some type of restrictions on the sale of pseudoephedrine.

• Of those state bills, 16 are similar to the Oklahoma law which makes pseudoephedrine a Schedule V Controlled Substance.

Pseudoephedrine Legislation

Other state pseudoephedrine bills have different provisions that include:

- Photographic identification (38 states)
- Signing a log book (35 states)
- Sale by a licensed pharmacist or tech (31 states)
- Limiting the amount sold per transaction (28 states)
- Monthly Limit (29 states)
- Prescription/Liquid Gel Cap Exclusion (35 states)

Chemical Control Methamphetamine Activity

- State Legislation
- Voluntary Programs by Industry and Retailers
- Combination Products
- Liquids & Gel-Caps

Voluntary Actions At Retail Level

- Some directed at all dosage forms
- Some directed at only single entity solid dosage form products
- NACDS, Kmart, CVS, Rite-Aid, Walgreen, Target, Albertsons, Longs, and others....announced various voluntary programs

DEA Administrative Actions 1999 – 2005

As of August 30, 2005

- 152 Registrations Surrendered for Cause
- 155 OTSC Issued
- 1,403 Out of business
- Avg. 400 new applications per year
- Registrants in decline
 - 3,344 in 2002
 - 2,891 in 2005

Administrative Decisions

Published in Federal Register

- Xtreme Enterprises FR 67, No. 238; 2/11/2002
- Branex, Inc. FR 69, No. 37; 2/25/2004
- Express Wholesale FR 69, No. 204; 10/22/2004
 - Attacking crypto-generic market
 - Convenience Store Sales
 - \$27-32 per month
 - Grocers and Pharmacies
 - Over \$600 per month
 - Department Stores
 - Over \$1,000 per month

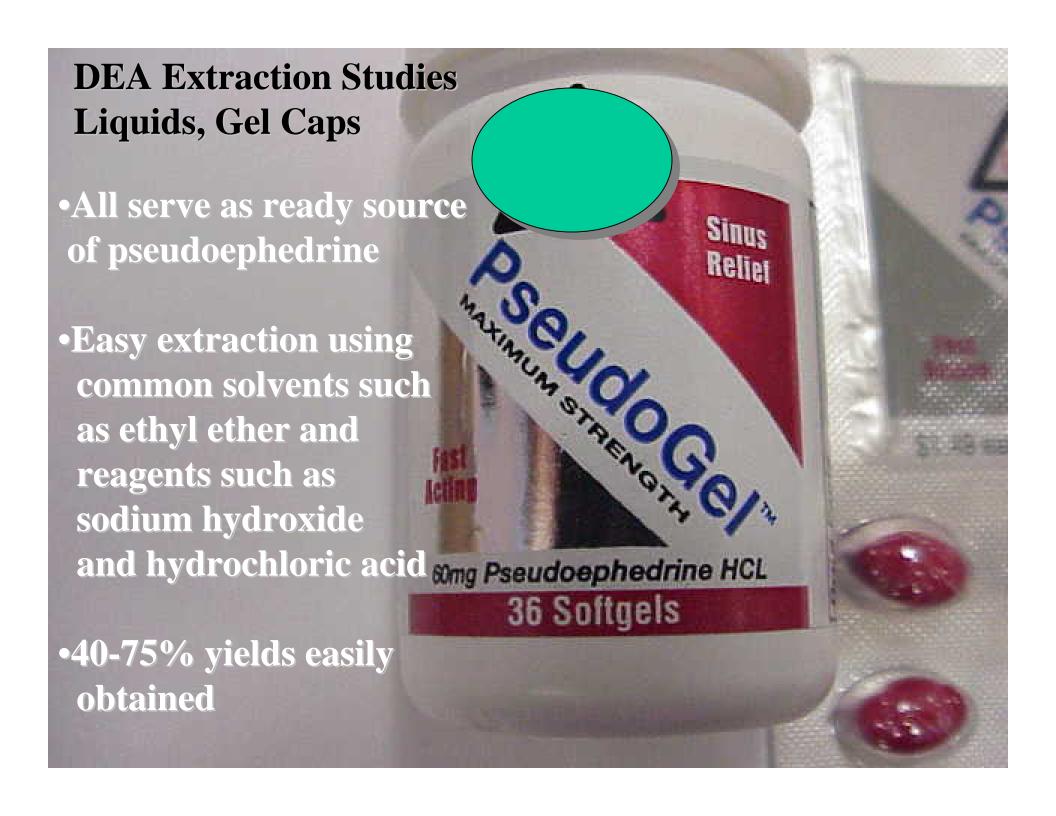
PSEUDOEPHEDRINE Blister Packs - Smurfing

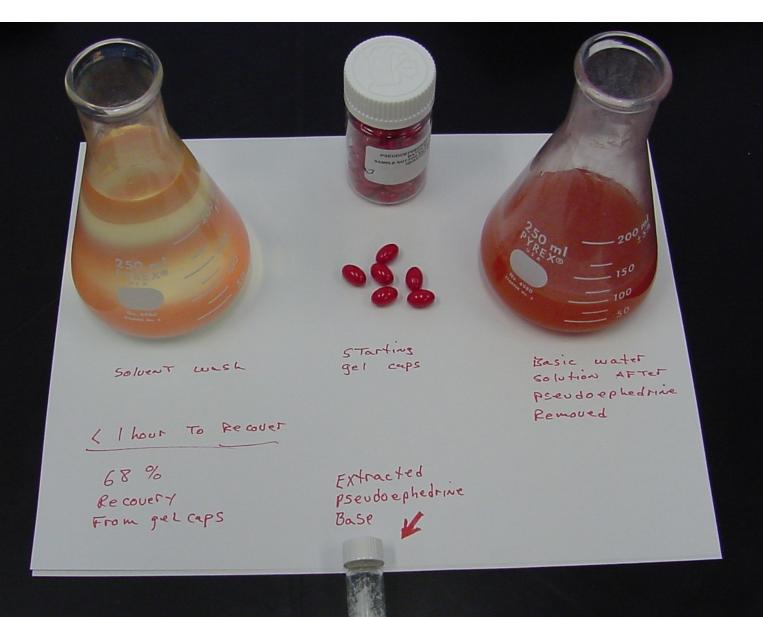




- Acceleration in blister pack use.
- •BLISTER PACKS
 - •1998 31 labs
 - •2001 1,159 labs
 - •2004 2,556 labs

Increase of 120% over 2001.





2005 - DEA Special Testing Lab Experiment





DEA Sharing Studies with Industry

- Liquids, gel caps and combination products all readily useable
- Combination Products Common
- Gel-Caps & Liquids not seen frequently to date
 - o Information not readily available
 - o Cooks creatures of habit
 - o Mistakenly believe extraction more complicated
 - o Word not yet out on Internet
 - o Tablet products so readily available

Latest Trend?

Ma Huang

www.deadiversion.usdoj.gov

