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## EXHIBIT 19

*document with beginning Bates number SYN05101665*

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Oct. 3

Beat Lang - toxicologist

Donk Cornes - tbz use practices / biology / crops

Dave French - selective herbicides, reg affairs

Tba - 30 yrs. in Europe

butile group instead toxic group

only in combo w/ partner

Oxon - nfg; allowed to use tba alone; <sup>has own</sup> rota pkg

Both co's have submitted for Annex I (~1 yr. ago)

Increase in mammary tumors -> SD rat

" " teetide " -> " "

@ doses above Max. Tolerated Dose (MTD)

(>10%) - decrease in body wt. gain } both  
" " survival }

EPA reviewed TBA (in '95?)

carcinogenicity -> class D (not classifiable)

anti-algae compound?

nfg'd? (Dave French)

have not tried to investigate mode of action

" " investigate if tba causes tumors in other rats

Germany monitored groundwater (Dave French)

France - banned all trazines

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tba may be a bit more potent than atz  
(lower doses cause same effects) } higher NOAELs & LOELs

Active part of compound is chlorine

Degradation same as atz

butyl group hydrolyzed & stays w/ main molecule.

once chlorine gone, metabolites don't matter.

Ask D. French for comparison document

R45 = can cause cancer

R40 = may " "

not classifiable (both atz & tba)

(Germany proposed R40 but switched to

"No" in 2004 after reviewing atz data.

Germany<sup>re</sup> registered tba until 2014.)

Brand name?

Internet home page for tba.

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- ✓ Legal recap
  - ✓ Ask for service list - all legal players
  - ✓ Place communicators on 2ndary svcs list
- issue of spokespeople / legal  
other plaintiffs / training

ask  
1/2 way to  
summary

PF / SF articles ; RFD radio | Nov. 9  
GDS update | NAFB  
JTA update  
website

case mtg cont Dec 21?

draft orders

timeline / calendar of media hits

circulate 1-2 days before. if have draft

Alan / Mark as back-up to Kurt

ID 3rd party spokespersons

Jack Mandrell - chair, epidemiology, Emory

Need process for handling media calls

800 #?

Co. FB mags / water reps - Dec 13/14

science timeline

Plan to send motion for summary judgment -  
Iberite

send reg timeline to JTA

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Pete Meyers - co-author, Our Estrogen Future  
formerly led A Hon Jones (now shut down)  
offered to media train at endocrine conf.  
backrouted book publicity

Michael Skinner - indicated media training was helpful  
for scientist friend (TH) targeted by industry

JOETT - Industry corrupted science

Fred vom Saal - PhD psychology, U. of Missouri  
bisphenol A / endocrine

Gillette - movies from issue to issue  
panthers, lakes, alligators  
wife is scientist (of sorts)

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11/22

JAN 24-25: IL F&CA annual mtg?

Dates bad for Dave F.

Monitor PF web news site for B&B releases.

IL EPA web site needs to be updated

- old cancer classification

EBC radio interview Nov. 21 - DRA / Jim Tozzi

What about atz? (petition / F&T / foreign co.)

EPA science board said data was bad

Will email Tozzi before it runs

reaction "positive"

Science mag - TT piece this wk

Ask RC to request EPA white paper on atz regulation?

- discuss w/ JT

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Reports on hits

Video  
Issue w/ "reimbursing" farmers for time?

science /

AWWA  
Thru Dec. 8

Web site product list/change intro (JA)

Jeff: links/refs for IL pleadings issue conservation tillage claim (Benefits pg.)

Grower fact sheet

News releases  
Review this wk

atfactos.com + headlines  
look for Benoit Parise  
Lundin & Lamm?

Q&A & Top Line Messages  
Review this wk

Need to review in depth

Wall Eo: icr  
District Conservationist (Former)  
Now heads state NRCS

JTA - IL Campaign - revisions?  
Will share w/ team

Macoupin Co.  
ILFB  
follow up next wk

Springfield & Mt. Vernon

No-till conf in Jan 10/11  
St. Louis

Meet w/ Madison Co. FB staff  
YES  
Tues/PM

Joe Burles  
KY Rural Water Assoc.

Focus groups - Water districts?  
Rural water assoc. annual mtg/end Feb.

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Read slow — book Tim / Spencer @ Science mtgs 2006  
list of science groups/mtgs — send email request  
lunches/ breakfasts  
need copy title

CPE — other side of industry-sponsored science  
tentatively accepted by Science mag.

Philly — prep documents that can be handed out  
study timeline? (2nd 1/2 of 06)

Southern Weed Science mtg

Focus group: Dennis Turney to ID participants  
create 1-pg. overview of focus group

BBB talk in OH  
PS targeted to them

Done to email to  
contacts

\* send background



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Gaudin 12/7/05

Hanges — research  
EPA — & reg process  
Sgt in between, not neutral

nothing we will consider unfair  
" " haven't talked about

If anyone distressed, EPA  
(Sgt) theme: EPA reg. process flawed due to ind science  
Always surprising to people  
Touched on his story  
Sgt incurs expense/risk  
Tim quote " like drawing taxes and leted"  
Co's often go beyond

\* check if we sent Lindsay testimony

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12/8/05

Osceola — South of Bob Morris

Casino on lake. (West Lake)

Dennis will follow up in early Jan. to pinpoint del

Montezuma

Creston

Chariton

Centerville

Leon

Indianapolis cat

not above 3 ppb in raw water since '99

(annual avg)

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N/ Bill Gaudin. 12/9/05

Syt trying to get ahead of - EPA endocrine questions?  
- no, overlapped

is atr. safe?

- gene takeover on EPA limitations on "safe"
- one of best-studied molecules
- we're data-based CO + atr. is foster child
- studies not just from Syt

What is Syt's reaction to III studies?

- choice to support or not?

REMHs? 3Q 06

Animals in treatment's now? YES

next, data collection/analysis

White paper / SAP report:

may. of lab studies showed effect?

- suggested data from flawed studies
- enough noise to warrant FLU

Atr safety -

- believe in medical, safety, vert. to ... not just US but worldwide

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compared atr to aspirin, water, oxygen  
dose makes poison

8000 words  
home stretch

"not a lot of detail" on env. disruption  
"not really explored in story"

list of panel members - why convened  
when off patent  
% wfg'd by gov

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Nancy to contact George & Kurt (30-40)  
10th - Jefferson Co. (Mt. Vernon) - Holiday Inn  
9th - Springfield  
ILFB board room (30-40)

Renée charging? ILFB will pay expenses  
Jan - can F/U w/ Renée  
possibility of reporter requests for interviews

To county mgmt: invitation letter w/ attached  
invite for water person (email?)  
Jeff to take lead on water invite

Jan 3 (latest) - invite in-hand @ CO. FB

---

\* sent agenda / CWS info / registration form / <sup>mock-up</sup> Htr to CWS  
Week of Jan. 2

Jan. 30 for CWS to reply to FB

Feb. 1 for FB to RSVP

Asked Renée to speak about "big picture" issues;  
hopes she'll touch on MCL process.

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Holiday schedule

Conference w/ Nancy Erickson

Focus group

Faegre Peterson database

messages

hits on atrazine.com 374 (300)

Dave: follow up call to Nancy re: room size

Call to  
Action re: ILFB events?

Lisa Madigan (40) - new from  
married to political cartoonist

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x 6070 banelle

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Jan. 12 No-till conf. (Others?)

Jan. 30 focus groups

Feb. 9-10 ILFB/CWS mtg (Springfield/Mt. Vernon)

Filipar?

Duane

Spurbeck

MTF mtg on Cancer May 22-24 in Raleigh

212 9644 Ed Ross?

IL campaign — approval to JTA

Heartland Institute — revved up

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ATZ - 1/23/06

\* set up atz / New Yorker note once we hear from fact checkers.

\* Call HHR re: attending Hayes seminar Feb. 1

High smz hits for IL (26 ppb) Petoka (sp?) IL  
more than 85% of smz goes out w/atz in IL

AR extension agent - have Jere W. follow up

Why 3 1/2 yrs to do study

- 70 <sup>GLP</sup> people involved; 1000 frogs each lab
- process 140 frogs/day when come off study
- digital photos of all dissections
- EDSTAC progress (parallels)

(2 tanks of 16?)

2 of 1600 frogs considered statistically significant  
what's abnormal? (symantics)

labs synchronized; EPA informed

How many new <sup>prostate</sup> cancer cases at St?

- privacy laws
- would have to do study / compare to LA cancer registry



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2/6/06

- ✓ Focus groups VCCAP —
- ✓ IL campaign planning name

3rd party endorsements (courtesy)

Roger Solberg — IL EPA, public drinking water

Expand focus group concept to inc. non-friendly CWs?

- ✓ Gender

\* Research articles/NRS re: April-June 2002

Christmas e-mails? (once he reached tenure)

Natl Geo feature?

PNAS — April 2002 (NR embargoed?)

(Japan Feb/Mar '01 — publicity)

### Polit. review

now being regulated on # 3x lower

(not using proper dog #s)

Older than  
Koss sensitive  
than admin. #s  
that says no longer  
appropriate  
to use  
1/1/06

in process of reviewing the doc but we are seeing

some inconsistencies w/ EPA review

using <sup>some</sup> outdated info etc

not typically in areas

atx rarely used around schools/  
corn/corn/hum herbicide

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Guenther

- \* Trustees mtg — Hess — didn't anticipate  
Van Zant (wife: secy homeowner's assoc.)  
other cws ready to join in

Judge Moran (95-50)

not showing up for work

personal conduct

skybox from Tiffany

dating websites — pic in robes

Supreme Court — "have not rec'd resignation request"

- \* Take Guenther off [ezfacts.com](http://ezfacts.com)

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ATZ CORE TEAM 2/20/06

\* Plan focus group in Ott

\* Do master calendar of atz events / mtgs

\* Point by point rebuttal of ~~the~~ research

- inconsistencies, errors, wrong citations

- smoking gun. com? Alex Avery

- send to UCB?

- wait for Geisy review

- add plastic tank info (confounder)

(Dupont study - estrogenic effects)

(Leaking from tubing too)

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Wes background interview

7.14.04

Atz

- how it works / post-pre
- which weeds
- Reduced Risk program
- Special Review
- \* how much pesticide applied / year
- \* typical corn yield
- \* UK science review
- \* EU countries who've asked for critical uses.
  - benefits
  - IRED results
  - ongoing research
- \* safety / value fact sheets
- \* AHS
  - timeline (AAG '02, SAPS,
  - frog science history / panel creation / Ecovis role / Hayes
- \* Giannini phone #
- \* Why did we end up working w/ Ecovis? - ?

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## Gordon Conference

Hayes presented

John Sumpter critical

Malcolm Pirney - addressed comments

experience in direct contradiction

John → one-on-one sessions

w/ chair of conf. (Berkeley chemist)

Hayes email: was this one knot cast long shadow

## credo Conference July 5-7 England

Hayes used unpublished Japanese results

re: aromatase; suppressed immune response

1. Ashby gave credence to Hayes data

(Ashby = Health Assess @ CTL)

2. work together comment

3. got past politics & back to science

Heard via Peter Campbell (JH)

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ATZ STRATEGY 7.19.04

Kendall —

consultant, field studies, wildlife toxicologist  
testified on behalf of Dzn vs golf courses

Ecologist — closely aligned w/ Ron but no financial stake

umbrella to coordinate contracts, provide QA

Bruce close friends w/ Ron Kendall; architect for

Kendall's 2 institutes

formed 90-91

best in biz helps us do good science to get thru EPA

3 panels:

early 90s?

1. water monitoring/analyzing runoff in Arkansas
- 2.
- 3.

Exponent as another example

6-mo pd when Hayes study being reviewed before Coz.

— answer investigation question

What's motivating Hayes? — basic question

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David Baker - Heidelberg College (att)

- asked for grant (atz)

small streams near fields → pulses

all went to EPA

early 90s

Led us to comprehensive review of atz runoff in US

Dzn hearings at EPA - administrative law judge

- Kendall testified (EPA cut him off)

Kendall:  
continuity  
other exp.  
on  
perchlorate  
(rocket fuel)

1st panel chaired by Kendall

- atz runoff (exposure)

- large/small water systems over multiple yrs.

- all went to EPA

2nd panel " " "

- eco effect of atz in water

- some members from 1st panel

- SETAC Journal '96

- 1st probabilistic RA done on a chemical

(EPA modeled RA process after it)

- created '93? mtail...

- considered ocean of crop in eco sciences

3rd panel " " "

- Alan has history

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## Emails

- \* • EPA advice to keep debate professional, not personal.
- \* • EPA " to avoid media
- \* • Attempts by scyt to repair relationship & continue work on panel (Nat Geo publicity)
- \* • sequence of events / claims on timing of gonadal effects
  - unethical behavior (emails / tapes)
  - progression from one audience to next (Kendall → panel → scyt → EPA) on attacks
  - funding

→ Tech Marketing (April 2002) — pre-empted by ENAS NR

EPA interview?

Jere White?



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Mike Magner - Natural Resources NEWS GUC

Jim Aidala

Why did ent use Ecovisk?

- not unusual, wouldn't raise any eyebrows at EPA
- skirts issue of industry doing own studies
- explained GLP

Why not use Hazetton?

- not guideline studies

sent him Chron for Higher Educ story

Aware of cancer SAP

Has asked others to try to reproduce Hayes work

Even ent can't replace atz

ENG advising Hayes on visibility

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W/Tozzi 8-23-04

OCT (10) OF 17

Panorama - BBC (English version of 60 minutes)

not on Syt

DAA applied to international issues

WHO study on food & nutrition not evidence based

US gov't wrote ltr agreeing

FAO agreed

Syt never mentioned

Atz - 2 or 3 questions

1) gov't reviewed → no problem

2) non industry scientists → same thing

transparent process

gov't made decision

contacted 2-3 wks ago

emailed last Monday when Wash Post story hit

"No one knocks on my door & says write a petition"

Environmental Law Institute - OLA

paralysis by analysis

Massive movl to repeal DAA next yr by activists

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ATZ 2-8-05

Feb. 16 - Ag Comm. hearing (Atrazine)

run by Greg Davids

live web stream?

1 hr. 45 min

24 hrs. notice for hearing

AgrNews, Legal Ledger - ups

AP / Fargo Forum -

↳ specializes in rural issues

Forum (12-14 outstate dailies

full-time capital reporter)

Media support for rural legislators

In cooperation w/ corn farmers

political cover

regional stations (.5000 watts / 20 miles)

\* check Tim's schedule (4, 2-hr periods)

+++ needs 3 days' notice

Outstate papers

send Tim presentation, myth vs Fact, fact sheets

edit. board visits after bill introduced

Rochester, St. Cloud, Forum, Mankato

Star Trib / Pioneer Press

edit bet w/ corn growers

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2-8-05 ATZ - Hearing - Minn.

↳ Overview of registration process

Questions:

□ GAP vs. industry panel (differences)

□ GAP perceived conflict of interest

EPA - prepared to address criminal investigations?

□ detections in water?

Who presenting for Dept. of Ag?

□ Research process on frogs going forward?

□ Explain GLP - raw data

1. Takes in EPA presentation

2. Questions to cover holes

\* Confirm w/Mac how atz will be introduced into presentation

\* Is Ann Lindsay prepared to speak to reporters?

Hansen questions: science

EPA : : process

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GEISY 4-11-05

- \* CHERYL → How can we prove NPOC support?
- If TH wanted to win the day, & he had the goods, he would have produced them when asked.
- TH paranoid schizo & narcissistic
- If TH involved in scandal, enviros will drop him.
- Want to undo modern industry/ag — SUT is nexus.
- Don't disrespect him
- Would only talk to Geisy / Solomon / Smith
- Offered to cut him in on "unlimited research funds"
- JG attended conf. at Stanford; surprise call from TH
- taped conversation, set him up (late 2000?)
  - kept contact on
  - NPOC had arranged to secure funding from various foundations
- Invited Solomon & JG to lab → oocytes
- "slide" presentation
- Called JG @ home → "Is this line clean?" (after Berkeley mtg)
- getting in too deep w/ enviros
  - writing papers for him
- JG staff → Heather Easthen
- TH claims has Hr from JG student claiming false data
- Should exploit Hayes' faults/problems

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Bipolar / manic-depressive

- doesn't sleep

Grew up in world (sc) that wouldn't accept him

- scarred for life ; needs adulation

- reason he hates P. Kendall

Pic taken at SETAC

2 of Solomon's students approached him

"T" sign → manipulated

Should show his true colors

SAP transcript ; admits 4-5% coxites in controls

"academic terrorism"

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ATZ / GRANDOVER 4.18.05

45% of all corn herbicide sales depend on atz

55% of mesotrione sales " " "

Lewis → Needs to countries: ridiculous that generics aren't stewarding the product. Market this fact.

EU: compound that was over-used & ended up in water at levels that exceed arbitrary .1ppb. Now, still there but declining.

US: atz on ~60 million <sup>corn</sup> acres of 80 million acres (3/4)

Lexar / Lumax trials vs. Camix

→ L/L much better w/ atz. (vs. meso / smol only)

"cornerstone"

w/o atz, our own products suffer, but so do those of competitors

In US, cannot be regulated on effects of non-native species. About 100 CWS monitored more frequently because they hit 1/2 of MCL.

Water standards likely to be raised ~ 2006.

Eco monitoring: LA watershed tripped 5% community health trigger (6%). EPA likely to ask for another yr. monitoring

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ATZ/GRANDOVER 4-19-05

By not defending, limiting options in future.  
Atz focuses attention away from other products  
Should not phase out atz until we know about  
pat EU registration in 2008.

Only know mode of action, not mechanism of action (brain)

Education/Awareness

legislators  
target states  
farmers  
media

science.

discredit Hayes  
complete frog studies  
outstanding epi studies  
monitoring

Politics/Legislation

state laws

Competitive Interactions

Legal

holiday stores

Charity Navigator web site



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ATZ/GRANDJURY (CONT'D) 4.19.05

## COMPETITIVE INTERACTIONS

- Updates to external/internal comm's
- PLT support / appreciation of IM
- Analysis of atz options (mktg)
- New strategies toward competitive atz companies
- support on regulatory / political negotiations

## Hayes

status quo : reactive on case-by-case in science / popular press

### Incremental :

- publication of 3rd pty critique of his science
  - education of audiences (MN)
  - systematic rebuttals of all TH appearances
  - proactive communication of our science (panel, phase 1)
- SDF \* • blog psychology

### more risky:

- AN \* • psychological profile
- contact Berkeley
- contact academics
- making emails public
- negative publicity from 3rd parties
- challenge to repeat science under outside review

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ATZ/GRANDOVER (CONT'D) 4.19.05

More risky:

- NBC \* . Have his work audited by 3rd party (PNAS)  
(report to Johnstons Hopkins or other academic ethics group)
- NBC \* . FOIA raw data & get 3rd party audit
- . Ask journals to retract
- . Investigate students
- \* . " funding
- AN . NRDC tax audit / other funding sources
- . Investigate wife / Sokokc
- . Family background
- . School history
- . Consider suing for libel / slander
- . ~~Multiple emails / notes to indicate EPA is investigating~~
- . ~~Set trap to entice him to sue~~
- . Court interactions - checked
- . Legality of taping
- . Treat as hostile witness in Holiday chores  
(where data is used) — but doesn't have to show  
however, could be deposed.

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419 744 2100

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## NEEDED RESOURCES

### SCIENCE

Spencer  
Jon, Jim Stevens  
CTL

- amphibian research (spokee people / internal research)
- toxicology

### REGULATORY

- water ↑
  - atz reg ↑
  - stakeholder ↑ ± #
- Karen Tripp

### POLITICAL

- external \$ for federal/state

### PR

- external \$ (states, online, 3rd party authors)

Search blog discussion group

GD to send search engines

GD to send list of CASIN profiles

ASK to be placed on distribution list - Therese

(Common Ground)

ECPA starting similar web site as pesticidefacts.org

SDF - GD to arrange membership

checkbiotech.org

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54 million acres of corn get setback because of atz  
24 " " " " " acotochlor  
helps reduce sediment

would have to use multiple products that we  
know less about

\$100 million saved by not dredging sediment  
(br. Carlson)  
Iowa Trees website → buffers

ATZ 9-31-05

statement: TH profile

Get talking PAs re: Holiday Shores from Alan N. / Flakne

Dan Campbell: email-to EPA (what we can say re: frog studies)

601 5460 Spencer