

How to use the Conservation Agriculture (CA) Research Network's Zotero-based Library

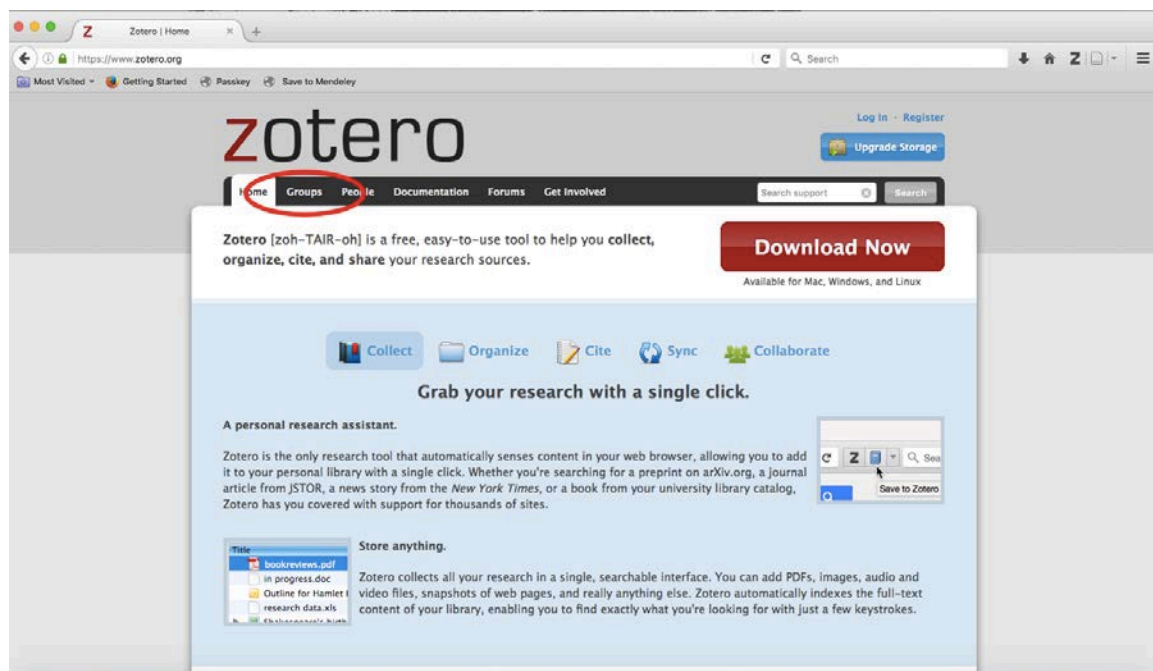
Welcome to the CA Research Network's database for information on Conservation Agriculture (CA). The instructions below will help you to navigate our open-source database of research items, which includes journal articles, book chapters, reports, conference papers, and other research material.

Anyone can use the CA library free of charge! You can search the library and access the article abstracts and metadata. **HOWEVER**, if you would like to have access to the *full text/PDF*, you will need to join Zotero and become a member of the **CA Research Network** ([CLICK HERE](#) for instructions to join and access full text articles). The Cornell Conservation Agriculture library is found at:

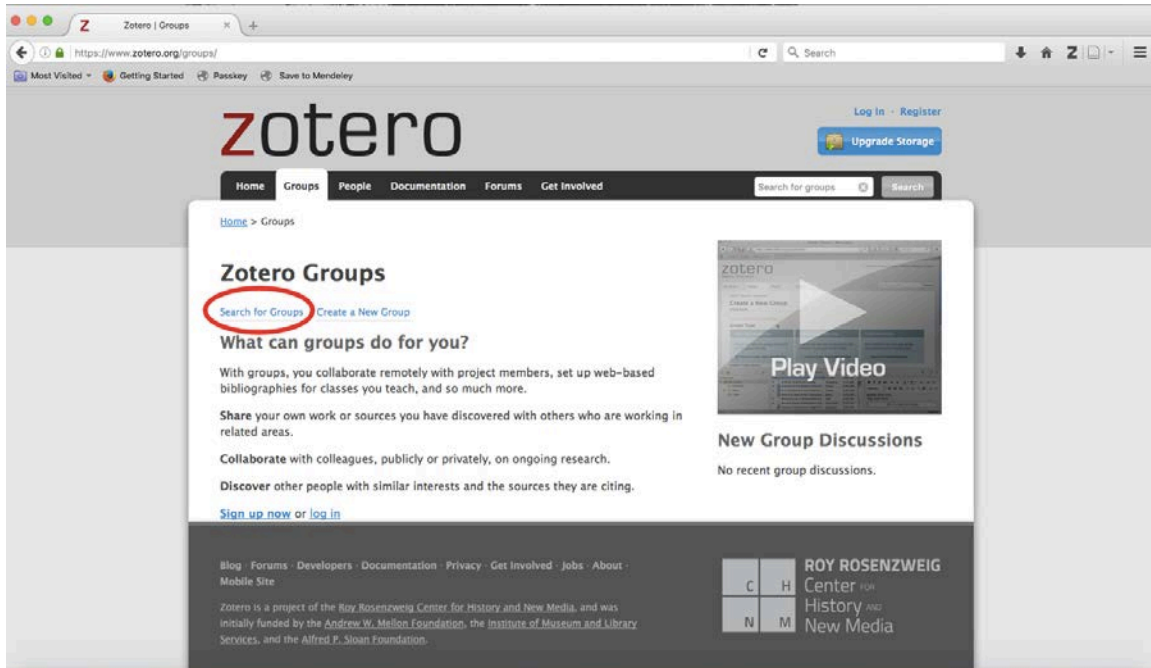
https://www.zotero.org/groups/348525/cornell_conservation_agriculture/items

Here's how to use the library database:

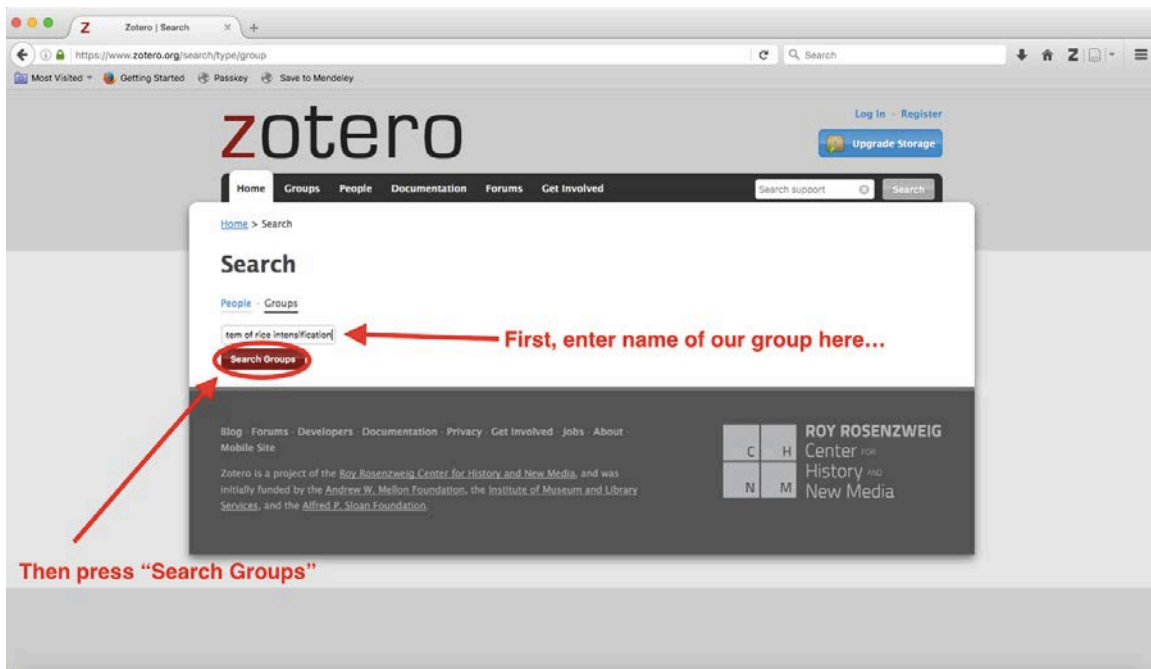
1. Go to [zotero.org](https://www.zotero.org). Click on the **Groups** tab on the top menu bar. Please keep in mind **that it is not necessary to download Zotero or make an account to search our database**, though you may wish to do so for your own research agenda and to have access to PDFs.



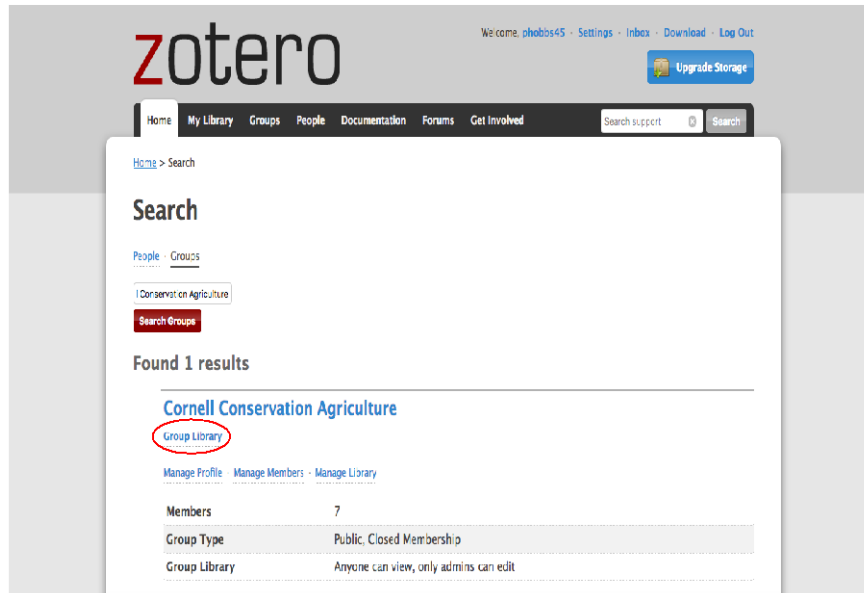
2. Click on [Search for Groups](#) link.



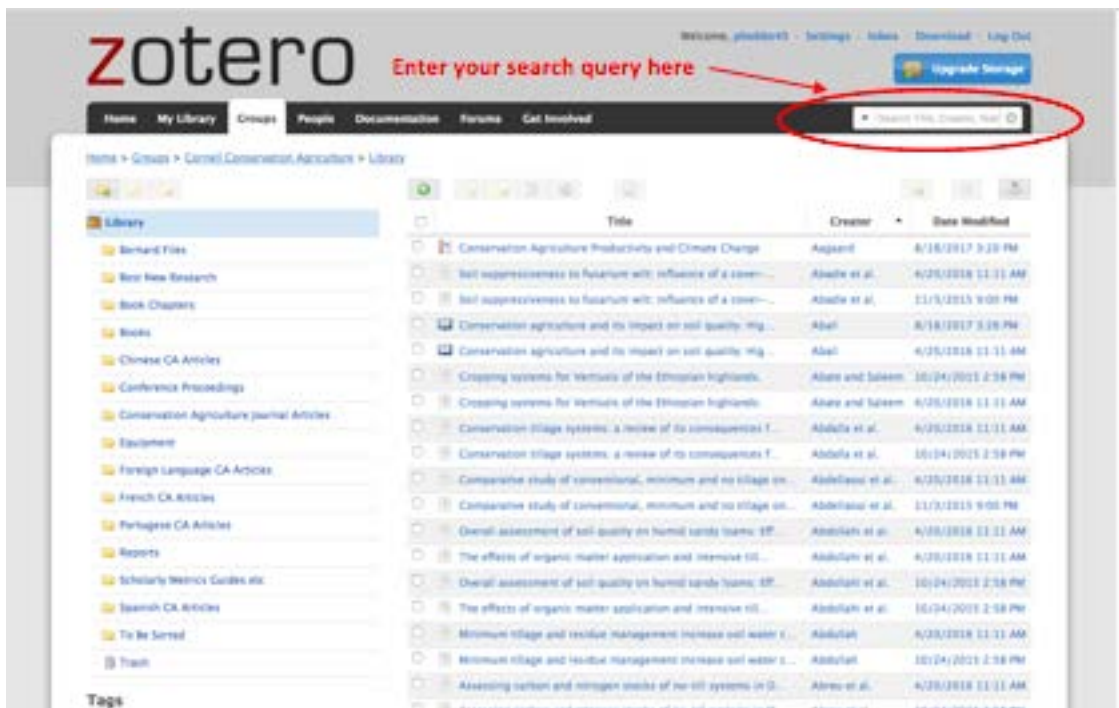
3. Search for **Cornell Conservation Agriculture** in the search box, then click the red **Search Groups** link.



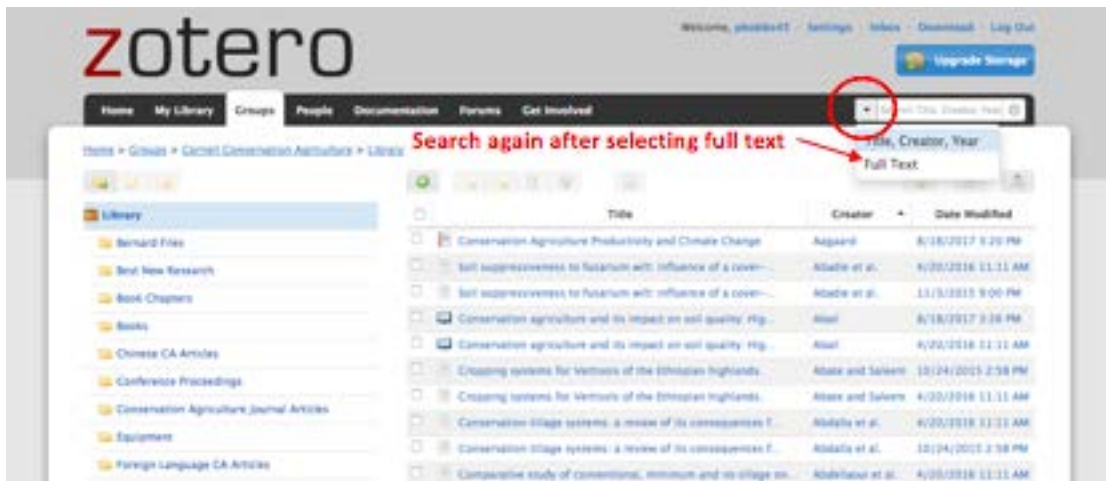
4. Click on the [Group Library](#) link below the group name. This will bring you to the Cornell Conservation Agriculture Research Network library.



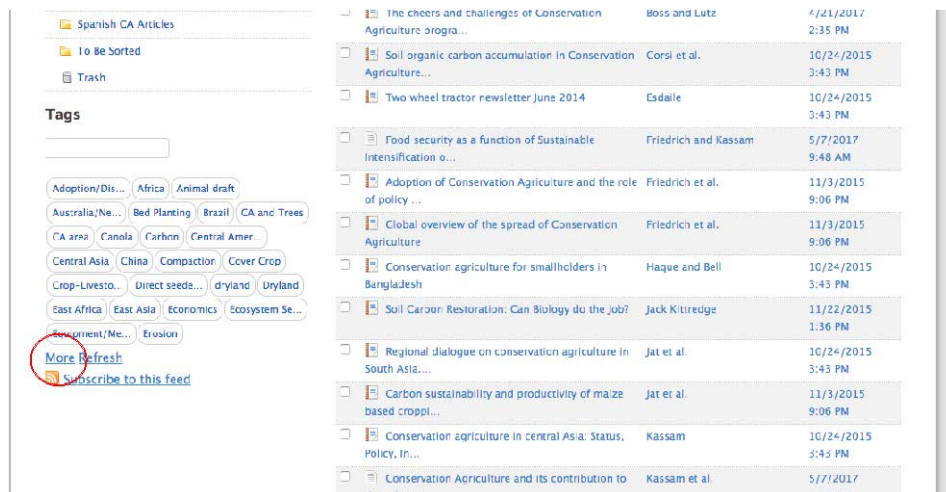
5. To search by **author**, **title**, or **year**: enter your query into the search feature found at the right of the top menu bar.



You can also search for keywords in the full text of the article. Simply select this option by pressing on the arrow to the left of the search box.



6. To sort items by topic or theme: scroll down to the bottom left hand side under the **Tags** section and click on the link below the tags called **More**.



As an example, click on the **Adoption/Disadoption** tag. Highlighting this tag will pull up approximately 37 articles out of 2589 that discuss **adoption/Disadoption** of CA in a substantive manner.

The screenshot shows a search interface with a sidebar on the left and a main results area on the right.

Tags:

- Adoption/Dis...
- Africa
- Animal draft
- Australia/Ne...
- Bed Planting
- Brazil
- CA and Trees
- CA area
- Canola
- Carbon
- Central Amer...
- Central Asia
- China
- Compaction
- Cover Crop
- Crop-Livesto...
- Direct seede...
- dryland
- Dryland
- East Africa
- East Asia
- Economics
- Ecosystem Se...
- Equipment/Me...
- Erosion
- Europe
- Food Securit...
- Gender
- GHG
- India
- Labor
- Laser leveli...
- Legumes
- Long-Term
- Maize
- Manual syste...
- Mexico
- Middle East
- Middle East/...
- Mitigation C...
- No-till
- North Americ...
- On-farm rese...
- Organic
- Pest/Diseasa...
- Policy
- Resilient
- Rice
- Roots
- Rotation
- Service prov...
- Smallholder
- Social Impac...
- Soil Biologi...
- Soil Chemica...
- Soil Health
- Soil Physica...
- South Americ...
- South Asia
- Southeas: As...
- Southern Afr...
- Vegetables
- Water Manage...
- Weed Managem...
- West Africa
- Wheat

[Fewer](#) [Refresh](#)

Search Results:

Article Title	Author	Date	Time
An empirical analysis of climate change perceptions and cons...	Becker	10/24/2015	2:58 PM
Social and income trade-offs of conservation agriculture pra...	Beuchelt et al.	10/24/2015	2:58 PM
The influence of conservation agriculture adoption on input ...	Bisangwa	8/18/2017	11:31 AM
Dynamics of aggregate destabilization by water in soils unde...	Blanco-Moure et al.	10/24/2015	2:58 PM
Short-to mid-term impact of conservation agriculture on yiel...	Bruelle et al.	10/24/2015	2:58 PM
Conservation agriculture – A Portuguese case study	Carvalho and Lourenco	10/24/2015	2:58 PM
A new method of measuring the adoption of soil conservation ...	Castaño et a.	10/24/2015	2:58 PM
Understanding the impact and adoption of conservation agricu...	Corbeels et al.	10/24/2015	2:58 PM
Innovating conservation agriculture: The case of no-till cro...	Coughenour	10/24/2015	2:58 PM
SUSTAINABLE CROP PRODUCTION INTENSIFICATION – THE ADOPTION O...	Derpsch and Friedrich	10/24/2015	2:58 PM
Global Overview of Conservation Agriculture Adoption	Derpsch and Friedrich	10/24/2015	2:58 PM
Current Status of Adoption of no-till farming in the world a...	Derpsch et al.	10/24/2015	2:58 PM
Specification eFfects in zero tillage survey data in South A...	Erenstein	10/24/2015	2:58 PM
A Survey of Factors associated with the Adoption of Zero Till...	Erenstein and Farooq	10/24/2015	2:58 PM

You can further refine your results by then clicking on **Africa**. And any of the other tags

The screenshot shows the search interface with the 'Africa' tag selected in the sidebar. The search results are refined to show only articles related to Africa.

Tags:

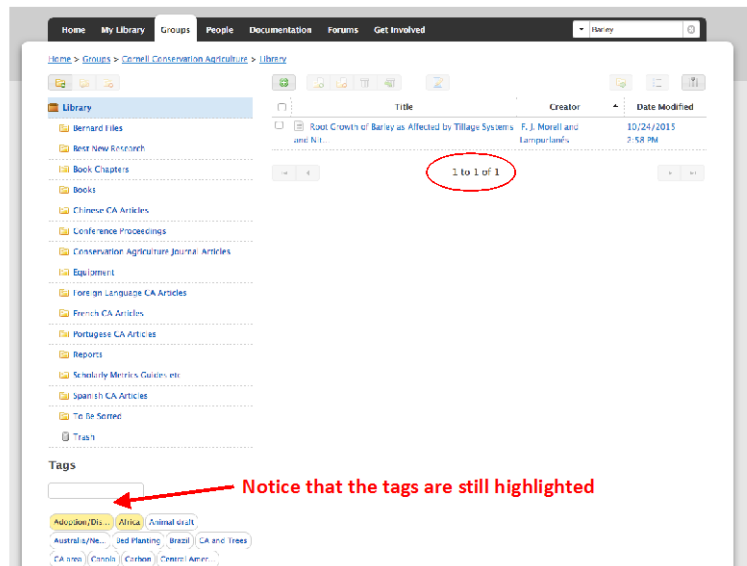
- Adoption/Dis...
- Africa
- Animal draft
- Australia/Ne...
- Bed Planting
- Brazil
- CA and Trees
- CA area
- Canola
- Carbon
- Central Amer...
- Central Asia
- China
- Compaction
- Cover Crop
- Crop-Livesto...
- Direct seede...
- dryland
- Dryland
- East Africa
- East Asia
- Economics
- Ecosystem Se...
- Equipment/Me...
- Erosion
- Europe
- Food Securit...
- Gender
- GHG
- India
- Labor
- Laser leveli...

Search Results:

Article Title	Author	Date	Time
Which advisory system to support innovation in conservation ...	Faure et al.	10/24/2015	2:58 PM
The adoption problem; or why we still understand so little a...	Glover et al.	4/11/2016	9:54 PM
An assessment of the processes and pathways to achieve innov...	Moza-banda et al.	10/24/2015	3:55 PM

1 to 12 of 12

7. Results can be refined by both keyword and tag: Typing **Barley** in the search bar *in combination* with the two previous tags yields one article. The two tags are still highlighted.



When combining **tags** with **keywords**, be sure to always search *again* with the **keywords** after selecting your tags. Just highlighting the tags resets the search according to the tag results.

8. Clicking on the article will reveal its basic information: title, abstract, authors, citation information, and tags.

- Books
- Chinese CA Articles
- Conference Proceedings
- Conservation Agriculture Journal Articles
- Equipment
- Foreign Language CA Articles
- French CA Articles
- Portuguese CA Articles
- Reports
- Scholarly Metrics Guides etc
- Spanish CA Articles
- To Be Sorted
- Trash

Tags

Adoption/Disc... Africa Animal draft
 Australia/Ne... Bed Planting Brazil CA and Trees
 CA area Canada Carbon Central Amer...
 Central Asia China Comparison Cover Crop
 Crop Livestoc... Direct seedc... dryland Dryland
 East Africa East Asia economics ecosystem Se...
 Equipment/Ma... Erosion Europe Food Secur...
 Gender GNC India Labor Level-level
 Legumes Long-Term Maize Manual syste...
 Mexico Middle East Middle East...
 Mitigation C... No-till North Americ...

Item Type	Journal Article
Title	Root Growth of Barley as Affected by Tillage Systems and Nitrogen Fertilization in a Semiarid Mediterranean Agroecosystem
Author	F. J. Morell, C. Cantero-Martínez, J. Alvaro-Fuentes
Author	Lampuránés, J.
Abstract	Conservation tillage systems are being widely adopted in the Mediterranean region. A long-term field experiment was established in 1996 comparing three N fertilization levels (zero, 0 kg ha ⁻¹ ; medium, 60 kg ha ⁻¹ ; and high, 120 kg ha ⁻¹), under three tillage systems (conventional tillage, CT; minimum tillage, MT; and no-tillage, NT) in a semiarid Mediterranean agroecosystem annually cropped with winter barley (<i>Hordeum vulgare</i> , L., cultivar Hispanica), to study the response of root growth. During four consecutive growing seasons, from 2005 to 2009, root length density (RLD) and soil water content were evaluated. Penetration resistance (PR) and soil bulk density were only evaluated in the fourth and last year of this experiment. In dry years, root growth was similar under NT and MT systems but highly reduced under CT due to reduced water availability, which, in the surface 25 cm of soil was 7% and 18% lower than under MT and NT systems, respectively. However, in a wet year (i.e., 2009), RLD was double under CT than under NT due to reduced soil strength. PR at 5 to 15 cm soil depth under NT was 1MPa greater than under MT or CT. Root growth was not affected by N fertilization, in contrast to the response of grain yield that showed a significant interaction between N fertilization and tillage system. In spite of moderate soil compaction, which may reduce root growth in wet years, long-term NT adoption does not reduce grain yields for monoculture of barley under semiarid Mediterranean conditions.
Publication	Agron J.
Volume	103
Issue	3
Pages	1270-1275
Date	2011
URL	
Tags	Adoption/Disadoption · Africa · Roots · Soil Chemical · Soil Physical
Notes and Attachments	out (1).pdf (pdf, 1.0 MB) (Attachment Details)

Note: Non-members cannot access pdf files
So join the group

[To join the CA Research Network, sign up with Zotero, search for the Cornell CA Group and push the **red button** under the group description OR contact ph14@cornell.edu]