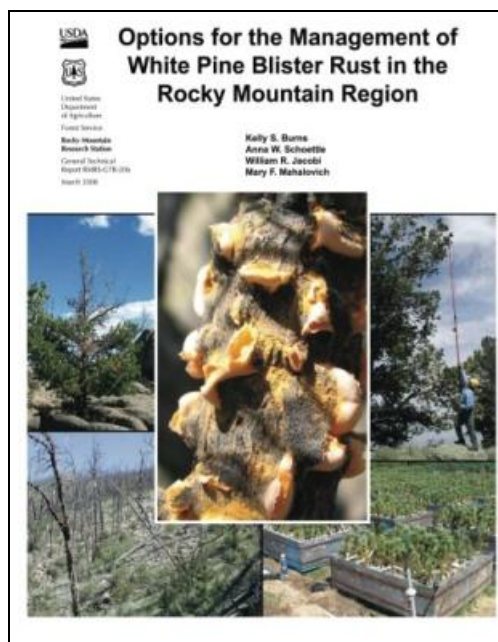


## Options for the Management of White Pine Blister Rust in the Rocky Mountain Region



Filesize: 6.25 MB

### Reviews

*An exceptional pdf as well as the font employed was intriguing to read through. This is certainly for all who statte there was not a worthy of reading through. I am just delighted to inform you that here is the very best publication i actually have go through inside my very own existence and might be he finest pdf for actually.*

***(Saige Lang)***

## OPTIONS FOR THE MANAGEMENT OF WHITE PINE BLISTER RUST IN THE ROCKY MOUNTAIN REGION



CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 32 pages. Dimensions: 11.0in. x 8.5in. x 0.1in. White pine blister rust (WPBR) is an exotic, invasive fungal disease of white, stone, and foxtail pines (also referred to as white pines or five-needle pines) in the genus *Pinus* and subgenus *Strobus* (Price and others 1998). The disease, which is native to Asia, was accidentally introduced separately into eastern and western North America at the beginning of the 20th century. In the West, WPBR was introduced on infected eastern white pine (*Pinus strobus*) nursery stock shipped to Vancouver, B. C. , from France in 1910. Since then, the disease has spread into the distributions of most western white pines. Although all of the North American white pine species are susceptible to WPBR (Bingham 1972, Hoff and others 1980), it was once thought that the remote, dry habitats occupied by the noncommercial, high elevation white pines would not support rust establishment. Unfortunately, WPBR can now be found in many of these areas. *Cronartium ribicola*, the fungus that causes WPBR, requires an alternate host currants and gooseberries in the genus *Ribes* and possibly species of *Pedicularis* and *Castilleja* (McDonald and others 2006, Zambino and others 2007) to complete its life cycle. WPBR infects *Ribes* seasonally, causing minimal damage such as leaf spots and premature defoliation. The infections are shed each year with leaf abscission. The disease is perennial on infected pines, causing cankers that usually lead to mortality. WPBR has killed millions of acres of trees resulting in dramatic changes in successional pathways and ecosystem functions, and the disease continues to spread and intensify wherever five-needle pines occur despite control efforts. Management strategies have been developed for the commercial white pine species, but these strategies have not been tested on the...



[Read Options for the Management of White Pine Blister Rust in the Rocky Mountain Region Online](#)



[Download PDF Options for the Management of White Pine Blister Rust in the Rocky Mountain Region](#)

## Other PDFs



**Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download...

[Download Document »](#)



**Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer**

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The Children s Handwriting Book of Alphabets and Numbers provides extensive focus on...

[Download Document »](#)



**The Goblin's Toyshop**

Octopus Publishing Group. Paperback. Book Condition: new. BRAND NEW, The Goblin's Toyshop, Enid Blyton, A magical selection of short stories including The Little Chatterbox, The Very Strange Pool, The Enchanted Button and Porridge Town. Each...

[Download Document »](#)



**The Siren's Feast**

Bloomsbury Publishing PLC. Paperback. Book Condition: new. BRAND NEW, The Siren's Feast, Benjamin Hulme-Cross, Nelson Evergreen, A twelve-book series of supernatural horror scares that will hook even the most reluctant readers. The Dark Hunter Mr...

[Download Document »](#)



**The Case for the Resurrection: A First-Century Investigative Reporter Probes History s Pivotal Event**

ZONDERVAN, United States, 2010. Paperback. Book Condition: New. 180 x 127 mm. Language: English . Brand New Book. The Case for the Resurrection, a ninety-six-page booklet from bestselling author Lee Strobel, provides new evidence that...

[Download Document »](#)



**My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests**

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts

[Save ePub »](#)



**Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age**

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video

[Save ePub »](#)



**Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents

[Save ePub »](#)



**Your Pregnancy for the Father to Be Everything You Need to Know about Pregnancy Childbirth and Getting Ready for Your New Baby by Judith Schuler and Glade B Curtis 2003 Paperback**

Book Condition: Brand New. Book Condition: Brand New.

[Save ePub »](#)



**The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)**

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to

[Save ePub »](#)