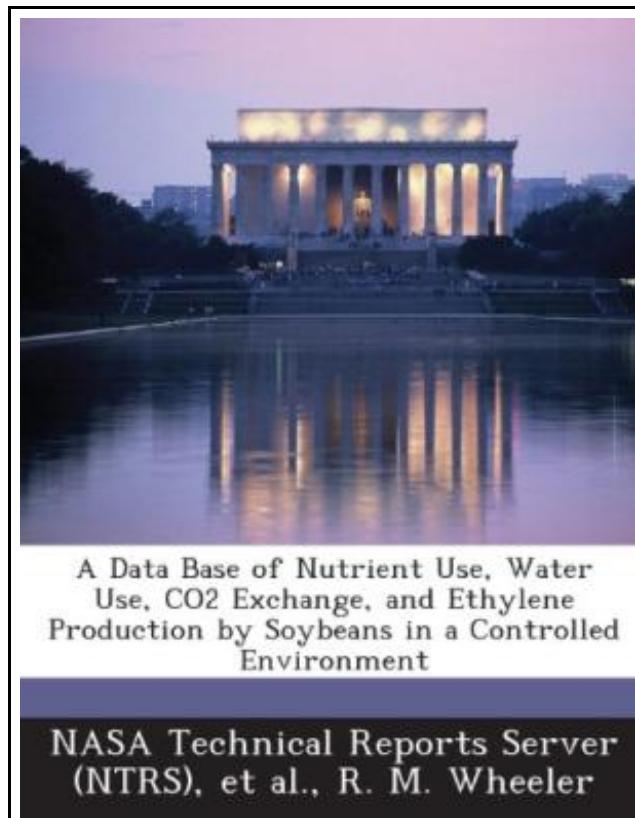


## A Data Base of Nutrient Use, Water Use, Co2 Exchange, and Ethylene Production by Soybeans in a Controlled Environment (Paperback)



Filesize: 3.06 MB

### Reviews

*This created ebook is wonderful. I am quite late in start reading this one, but better then never. You may like the way the author compose this pdf.*  
*(Frederic Lang)*

## A DATA BASE OF NUTRIENT USE, WATER USE, CO2 EXCHANGE, AND ETHYLENE PRODUCTION BY SOYBEANS IN A CONTROLLED ENVIRONMENT (PAPERBACK)

[DOWNLOAD PDF](#)

To read **A Data Base of Nutrient Use, Water Use, Co2 Exchange, and Ethylene Production by Soybeans in a Controlled Environment (Paperback)** PDF, remember to refer to the web link listed below and download the document or gain access to additional information that are have conjunction with **A DATA BASE OF NUTRIENT USE, WATER USE, CO2 EXCHANGE, AND ETHYLENE PRODUCTION BY SOYBEANS IN A CONTROLLED ENVIRONMENT (PAPERBACK)** book.

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A data set is given describing daily nutrient and water uptake, carbon dioxide (CO<sub>2</sub>) exchange, ethylene production, and carbon and nutrient partitioning from a 20 sq m stand of soybeans (*Glycine max* (L.) Merr. cv. McCall) for use in bioregenerative life support systems. Stand CO<sub>2</sub> exchange rates were determined from nocturnal increases in CO<sub>2</sub> (respiration) and morning drawdowns (net photosynthesis) to a set point of 1000 micromol/ mol each day (i.e., a closed system approach). Atmospheric samples were analyzed throughout growth for ethylene using gas chromatography with photoionization detection (GC/PH)). Water use was monitored by condensate production from the humidity control system, as well as water uptake from the nutrient solution reservoirs each day. Nutrient uptake data were determined from daily additions of stock solution and acid to maintain an EC of 0.12 S/m and pH of 5.8. Dry mass yields of seeds, pods (without seeds), leaves, stems, and roots are provided, as well as elemental and proximate nutritional compositions of the tissues. A methods section is included to qualify any assumptions that might be required for the use of the data in plant growth models, along with a daily event calendar documenting set point adjustments and the occasional equipment or sensor failure.



[Read A Data Base of Nutrient Use, Water Use, Co2 Exchange, and Ethylene Production by Soybeans in a Controlled Environment \(Paperback\) Online](#)



[Download PDF A Data Base of Nutrient Use, Water Use, Co2 Exchange, and Ethylene Production by Soybeans in a Controlled Environment \(Paperback\)](#)

## You May Also Like

---



### [PDF] **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 (Paperback)**

Click the link below to download and read "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 (Paperback)" PDF file.

[Download PDF »](#)

---



### [PDF] **The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574) (Paperback)**

Click the link below to download and read "The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574) (Paperback)" PDF file.

[Download PDF »](#)

---



### [PDF] **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)**

Click the link below to download and read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)" PDF file.

[Download PDF »](#)

---



### [PDF] **A Kindergarten Manual for Jewish Religious Schools; Teacher's Text Book for Use in School and Home (Paperback)**

Click the link below to download and read "A Kindergarten Manual for Jewish Religious Schools; Teacher's Text Book for Use in School and Home (Paperback)" PDF file.

[Download PDF »](#)

---



### [PDF] **A Year Book for Primary Grades; Based on Froebel's Mother Plays (Paperback)**

Click the link below to download and read "A Year Book for Primary Grades; Based on Froebel's Mother Plays (Paperback)" PDF file.

[Download PDF »](#)

---



### [PDF] **Variations on an Original Theme Enigma , Op. 36: Study Score (Paperback)**

Click the link below to download and read "Variations on an Original Theme Enigma , Op. 36: Study Score (Paperback)" PDF file.

[Download PDF »](#)