

Cyruta® Plus

Made From Buckwheat, Containing Powerful Antioxidants

Buckwheat (*Fagopyrum esculentum*) is typically thought of as a food. Although the seeds are used as cereal, the plant is not one of the cereal grasses but rather a herbaceous plant. Rich in protein (especially lysine, which is uncommon in most cereal grains), buckwheat also contains vitamins B and E, calcium, and phosphorus. Buckwheat is easily digestible. It has more iron, copper, and magnesium than wheat.†

How Cyruta Plus Keeps You Healthy

Buckwheat contains rutin, a powerful antioxidant

Buckwheat contains rutin, a phytochemical of the flavonoid group and a powerful antioxidant. Rutin protects the body against a variety of damaging oxidative toxins, especially those released by the body from mineral-fiber irritation. By itself, rutin is a more potent free-radical eliminator than either vitamin C or vitamin E. Synergistically, the three work together to create an antioxidant powerhouse.†

Antioxidants rutin and quercetin help support the skin

Because it is exposed, the skin is particularly vulnerable to environmental damage, especially from the sun's rays. Rutin and quercetin protect the skin and nerves from oxidative damage.†

Soluble fiber and rutin found in buckwheat help maintain the cardiovascular system

The soluble fiber in buckwheat can help maintain a proper balance between high- and low-density lipoproteins. Furthermore, rutin prevents the oxidation of low-density lipoprotein in artery walls. As an antioxidant, rutin also minimizes oxidative damage in red blood cells, especially to delicate cell walls and the important fats embedded in them and to essential oxygen-carrying hemoglobin. Rutin also helps keep blood thin, thus encouraging its free flow through the circulatory system, primarily in peripheral arterial systems.†

Quercetin helps maintain orderly cell growth in breast and other tissues

Quercetin attaches to type-II estrogen-binding sites and helps prevent protein kinase C activation, a cause of undesirable cell division and growth.†



Introduced in 1950



Content:

90 tablets
360 tablets

Suggested Use: One tablet per meal, or as directed.

Supplement Facts:

	Amount per Serving	%DV
Serving Size: 1 tablet		
Servings per Container: 90 or 360		
Calories	2	
Vitamin C	3 mg	4%

Proprietary Blend: 308 mg

Dried buckwheat (leaf) juice, buckwheat (seed), bovine adrenal Cytosol™ extract, and oat flour.

*Each tablet supplies approximately:
250 mg buckwheat leaf juice and seed.*

Other Ingredients: Honey, ascorbic acid, and calcium stearate.

*Special Information: Keep bottle tightly closed.
This product absorbs moisture.*

Sold through health care professionals.

Whole Food Philosophy

Our founder, Dr. Royal Lee, challenged common scientific beliefs by choosing a holistic approach of providing nutrients through whole foods. His goal was to provide nutrients as they are found in nature—in a whole food state where he believed their natural potency and efficacy would be realized. Dr. Lee believed that when nutrients remain intact and are not split from their natural associated synergists—known and unknown—bioactivity is markedly enhanced over isolated nutrients. Following this philosophy, even a small amount of a whole food concentrate will offer enhanced nutritional support, compared to an isolated or fractionated vitamin. Therefore, one should examine the source of nutrients rather than looking at the quantities of individual nutrients on product labels.

Please copy for your patients.

GF This product contains less than 10 parts per million of gluten per serving size or less than 20 parts per million per the suggested use listed on each product label.

†These statements have not been evaluated by the Food & Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.



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Cyruta[®] Plus

What Makes Cyruta Plus Unique

Product Attributes

Ingredients are derived from whole food sources

- › Each tablet supplies 300 mg of buckwheat leaf juice and seed

Certified Organic Farming

A healthy ecosystem is created by using organic farming techniques, such as rotating crops, fertilizing the soil with nutrient-rich cover crops and byproducts from our processing, practicing strict weed-control standards, and continually monitoring the health of our plants

- › Assures the soil is laden with minerals and nutrients
- › Ensures plants are nutritionally complete and free from synthetic pesticides

Manufacturing and Quality-Control Processes

Upon harvesting, nutrient-rich plants are immediately washed and promptly processed

- › Preserves nutritional integrity

Low-temperature, high-vacuum drying technique

- › Preserves the enzymatic vitality and nutritional potential of ingredients

Not disassociated into isolated components

- › The nutrients in Cyruta Plus are processed to remain intact, complete nutritional compounds

Degreed microbiologists and chemists in our on-site laboratories continually conduct bacterial and analytical tests on raw materials, product batches, and finished products

- › Ensures consistent quality and safety

Vitamin and mineral analyses validate product content and specifications

- › Assures high-quality essential nutrients are delivered

Studies on nutrients generally use large doses and these studies, some of which are cited below, are the basis for much of the information we provide you in this publication about whole food ingredients. See the supplement facts for Cyruta[®] Plus.

- Affany A., Salvayre R., Douste-Blazy L. 1997. Comparison of the Protective Effect of Various Flavonoids Against Lipid Peroxidation of Erythrocyte Membranes (induced by cumene hydroperoxide). *Fundam Clin Pharmacol* 1(6): 451-457.
- Belcaro G., Erichi B.M., et al. 1989. Treatment of acute superficial thrombosis and follow up by computerized thermography. *Vasa* 18(3): 227-234.
- Belcaro G., Rulo A., Candiani C. 1989. Evaluation of the microcirculatory effects of Venoruton in patients with chronic venous hypertension by Laser Doppler flowmetry, transcutaneous PO2 and PCO2 measurements, leg volumetry and ambulatory venous pressure measurements. *Vasa* 18(2): 146-151.
- Bijlari R.L., Sud S., Sahi A., et al. 1985. Effect of Sieved Buckwheat (*Fagopyrum Esculentum*) Flour Supplementation on Lipid Profile and Glucose Tolerance. *Indian J Physiol Pharmacol* 29(2): 69-74.
- Cappelli R., Pecchi S., et al. 1987. Efficacy of O-(?-Hydroxyethyl)-Rutosides at High Dosage in Counteracting the unwanted activity of Oral Contraceptives on Venous Function. *Int J Clin Pharmacol Res* 7(4): 291-299.
- de Francisci M.L., Salgado J.M., Leitao R.F. 1994. Chemical, nutritional and technological characteristics of buckwheat and non-prolamine buckwheat flours in comparison of wheat flour. *Plant Foods Hum Nutr* 46(4): 323-329.
- Ekestrom S., Sonnenfeld T., Lund F. 1984. The Effect of O-(?-Hydroxyethyl)-Rutosides on Central Haemodynamics During and After Aortocoronary Bypass Surgery. *Scand J Thorac Cardiovasc Surg* 18(3): 255-258.
- Grinberg L.N., Rachmilewitz E.A., Newmark H. 1994. Protective Effects of Rutin Against Hemoglobin Oxidation. *Biochem Pharmacol* 48(4): 643-649.
- He J., Klag M.J., Whelton P.K., et al. 1995. Oats and buckwheat intakes and cardiovascular disease risk factors in an ethnic minority of China. *Am J Clin Nutr* 61(2): 366-372.
- Jehnes R., Gaardsting O., Holm A. 1986. Improvement of Subcutaneous Nutritional Blood Flow in the Forefoot by Hydroxyethylrutosides in Patients with Arterial Insufficiency: Case Studies. *Angiology* 37(3 Pt 1): 198-202.
- Korkina L.G., Durnev A.D., et al. 1992. Oxygen radical-mediated mutagenic effect of asbestos on human lymphocytes: suppression by oxygen radical scavengers. *Mutat Res* 265(2): 245-253.
- Mistry K.J., Krishna M., Bhattacharya R.K. 1997. Modulation of Alfatxin B1 Activated Protein Kinase C by Phenolic Compounds. *Cancer Lett* 121(1): 99-104.
- Moser M., Ranacher G., Wilmet T.J., et al. 1994. A Double-Blind Clinical Trial of Hydroxyethylrutosides in Meniere's Disease. *J Laryngol Otol* 98(3): 265-272.
- Negro-Salvayre A., Affany A., Hariton C., et al. 1991. Additional Antilipoperoxidant Activities of Alpha-Tocopherol and Ascorbic Acid on Membrane-Like Systems Are Potentiated by Rutin. *Pharmacology* 42(5): 262-272.
- Negro-Salvayre A., Mabile L., Delchambre J., et al. 1995. Tocopherol, Ascorbic Acid, and Rutin Inhibit Synergistically the Copper-Promoted LDL Oxidation and the Cytotoxicity of Oxidized LDL to Cultured Endothelial Cells. *Biol Trace Elem Res* 47(1-3): 81-94.
- Negro-Salvayre A., Salvayre R. 1992. Quercetin Prevents the Cytotoxicity of Oxidized LDL on Lymphoid Cell Lines. *Free Radic Biol Med* 12(2): 101-106.
- Piantelli M., Maggiano N., et al. 1995. Tamoxifen and Quercetin Interact with Type II Estrogen Binding Sites and Inhibit the Growth of Human Melanoma Cells. *J Invest Dermatol* 105(2): 248-253.
- Piller N.B., Morgan R.G., Casley-Smith J.R. 1988. A double-blind, cross-over trial of o-(?-hydroxyethyl)-rutosides (benzo-gyrones) in the treatment of lymphoedema of the arms and legs. *Br J Plast Surg* 41(1): 20-27.
- Ranelletti F.O., Ricci R. 1992. Growth-Inhibitory Effect of Quercetin and Presence of Type-II Estrogen-Binding Sites in Human Colon-Cancer Cell Lines and Primary Colorectal Tumors. *Int J Cancer* 50(3): 486-492.
- Sadzuka Y., Sugiyama T., et al. 1997. Protective effect of flavonoids on doxorubicin-induced cardiotoxicity. *Toxicology Lett* 92(1): 1-7.
- Sajja A., Scalse M., et al. 1995. Flavonoids as Antioxidant Agents: Importance of their Interaction with Biomembranes. *Free Radic Biol Med* 19(4): 481-486.
- Scambia G., Ranelletti F.O., et al. 1990. Type-II Estrogen Binding Sites in a Lymphoblastoid Cell Line and Growth-Inhibitory Effect of Estrogen, Anti-Estrogen and Bioflavonoids. *Int J Cancer* 46(6): 1112-1116.
- Shimoi K., Shen B., et al. 1997. Protection by G-Rutin, a Water-soluble Nitroflavonoid, against Renal Damage in Mice Treated with Ferric Nitrite/ascorbate. *Jap Journal of Cancer Res* 88(5): 453-460.
- Skaper S.D., Fabris M., Ferrari, et al. 1997. Quercetin Protects Cutaneous Tissue-Associated Cell Types Including Sensory Neurons from Oxidative Stress Induced by Glutathione Depletion: Cooperative Effects of Ascorbic Acid. *Free Radic Biol Med* 22(4): 669-678.
- Wojcicki J., Samochowick L. 1995. Effect of Buckwheat Extract on Free Radical Generation in Rabbits Administered High-fat Diet. *Phytother Res* 9(5): 323-326.

