HERBS THAT REGULATE BLOOD SUGAR

Many herbs have “blood sugar regulating” properties. One of the reasons that traditional cultures don’t have as many people getting diseases from blood sugar/insulin imbalances is because they add herbs to their cooking, they drink herbal teas and they use herbs as remedies rather than “chemical drugs” that have various side effects.

Here is a list of some of those herbs:

**Agaricus Mushroom:**

Evidence suggests that this mushroom may lower glucose levels by decreasing insulin resistance in Type II diabetics. Also, might act synergistically with medication (metformin, sulfonylureas) and other supplements to decrease blood glucose.

**Aloe Vera (Aloe):**

Aloe Vera is a member of the Lily family even though it resembles a cactus. There are over 240 species of Aloe, but only four species are recognized as having nutritional value with Aloe barbadensis leading the group.

Preliminary research suggests aloe gel might lower blood glucose levels. Dose is usually (15-30 ml (50 mg) per day.

**American Ginseng:**

A very popular herb in Chinese medicine. Recent studies have shown that Ginseng may be helpful in reducing blood sugar levels in Type II diabetic patients. For diabetes, ginsengosides and possibly other constituents are thought to reduce postprandial glucose levels. This effect might be due to either tissue insulin sensitization or direct stimulation of insulin release or both of these mechanisms. The effect of various ginsengs on glucose appears to be related in part to the mix of ginsenosides. Other non-ginsenoside constituents likely affect blood glucose as well.

For reducing postprandial glucose levels in patients with type 2 diabetes, 3-9 grams up to 2-hours before a meal has been used. However, there is no added benefit to taking more than 3 grams. Other studies suggest taking ginseng 40 minutes prior to meal to obtain the optimal effect. Irregardless, American ginseng should be taken within two hours of a meal to avoid potential hypoglycemia.

**Bilberry (Huckleberry):**

Bilberry (Vaccinium myrtillus) has been used in traditional European medicine for nearly a thousand years, primarily to treat diarrhea. Bilberry contains a powerful antioxidant that helps to promote circulation in the eyes. Studies on diabetic dogs have also indicated benefits in reducing blood sugar levels. Use Bilberry standardized at 25% anthocyanins for maximum potency.
Bitter Melon (Momordica charantia):

A member of the Cucurbitaceae family, the plant grows in tropical areas, including parts of the Amazon Basin, Africa, Asia, the Caribbean and South America. The bitter melon grows as a vine bearing green leaves and yellow flowers with oblong green fruit that resemble a cucumber.

Bitter melon has a long history of use as a hypoglycemic agent in Asia, Africa, and Latin America, where the plant extract has been referred to as vegetable insulin. Although several constituents of bitter melon have hypoglycemic properties, most interest has focused on a polypeptide isolated from the seeds called polypeptide-p and a mixture of two steroid glycosides referred to as charantin. At least three different compounds in Bitter Melon have been reported to have sugar-regulating properties. Gurmarin, in particular, is a polypeptide considered to be similar to bovine insulin.

Blond Psyllium (Blond Plantago):

Blond psyllium seed husk orally seems to significantly reduce postprandial serum glucose, insulin levels, serum total cholesterol, and low-density lipoprotein (LDL) cholesterol levels in patients with Type II diabetes and hypercholesterolemia.

Blond psyllium seems to reduce postprandial blood glucose levels by about 14% to 20%, total cholesterol by about 9%, and LDL cholesterol by 13%. Blonde psyllium also seems to lower postprandial glucose levels in patients with Type I diabetes. Blond psyllium's maximum effect on the glucose levels occurs when psyllium is mixed and consumed with foods. Blond psyllium does not lower postprandial glucose in people who do not have diabetes.

Cinnamon Bark (Cassia Cinnamon):

Cinnamon is getting a lot of attention as a treatment for diabetes. There is preliminary evidence that it can lower blood glucose and cholesterol levels in people with type 2 diabetes. So far, this benefit has only been found with Cassia Cinnamon (Chinese Cinnamon) in humans. As little as ¼ to ½ teaspoonfuls can have a powerful effect in lowering blood sugar. (Recent controlled studies indicate that cinnamon may have little effect on blood glucose, 02/08)

Devil's Claw:

Devil's Claw is native to south and central Africa. Its medicinal value lies in its fleshy roots, which are sliced, chopped, or pulverized while fresh.

Some evidence shows that this herb might decrease blood glucose and have additive effects with medication used in diabetes.

Eleuthro (Siberian Ginseng):

Eleuthro is a shrub that grows 3 to 10 feet high with products made from the root. The root contains a mixture of components, common to many plants but occurring together in Siberian ginseng, called eleutherosides. Among the other ingredients are chemicals called polysaccharides, which have been found to boost the immune system and lower blood sugar levels in laboratory studies using animals.
Like the panax ginsengs, Siberian ginseng is considered to be an adaptogen, which means that it helps in stressful circumstances and also helps return the body to a normal balance.

**Fenugreek (Trigonella foenum-graecum):**

Dose: 10-15 grams per day in divided doses with meals

Fenugreek is effective for lowering post-prandial (after meals) blood sugar. The applicable part of fenugreek is the seed. The active constituents include trigonelline, 4-hydroxyisoleucine, and sotolon. About 80% of the total content of free amino acids in the seeds is present as 4-hydroxyisoleucine, which appears to directly stimulate insulin. This effect is glucose dependent and only occurs in the presence of moderate to high glucose concentrations.

Fenugreek seeds have a distinctive bitter taste and odor. Sotolon is frequently used as a flavoring for artificial maple syrup. *Theoretically, patients who are allergic to other Fabaceae plants including soybeans, peanuts, and green peas might also be allergic to fenugreek.*

**Ginger (Zingiber officinale):**

Preliminary research suggests ginger might increase insulin levels. Theoretically, it could have an additive effect with medication used to treat diabetes and cause hypoglycemia.

**Glucosmannan (Konnyaku root):**

A member of the yam family, this herb is high in fiber and can help normalize blood sugar, relieve stress on the pancreas.

**Gulvel (Tinospora cordifolia):**

Grows wild along roadsides throughout the tropical and sub-tropical plains of India and Sri Lanka. Plant extracts cause reduction in fasting blood sugar in rabbits and rats.

**Gymnema sylvestre (Gumar):**

A tropical plant of the milkweed family with an ancient Sanskrit name meaning "destroyer of sugar." Preliminary clinical research indicates that certain Gymnema extracts can reduce blood glucose and glycosated hemoglobin (Hb A1c) in Type I and Type II diabetics.

**Holy Basil (Hot Basil):**

Preliminary evidence suggests that holy leaf extract may decrease fasting (17.6%) and post-prandial blood glucose in patients with Type II diabetes.

**Jackass Bitters:**

Traditionally taken as a tea or wine. May help regulate blood sugars.
Jambolan (Syzygium cumini):

A close relative of the clove tree Syzygium aromaticum, Jambolan is native to east India and the Malay Peninsula, but has spread as far as China and Australia and is grown in the Caribbean.

Only the bark of the Jambolan has proven medicinal value, although the seeds are often used as well. In Asian medicine, it is used for diabetes, diarrhea, sore throat, and diseases of the spleen.

Kudzu:

Kudzu is native to Japan and China, however it grows extremely well in the Southern United states. This vine, when left uncontrolled, will eventually grow over almost any fixed object or other vegetation.

Kudzu or its constituents might have hypoglycemic, hypocholesterolemic, and antioxidant activity.

Milk Thistle:

Appears to work synergistically with other diabetic meds to decrease fasting blood sugar, hemoglobin A1c, cholesterol and triglycerides.

Neem (Azadirachta indica):

Neem is a member of the Mahogany family (Meliaceae) which includes a large array of tropical trees and shrubs native to both the Old and New World.

Evidence indicates that Neem might possess some hypoglycemic activity.

Panax Ginseng (Asian Ginseng):

There is some evidence that taking Panax ginseng orally, 200 mg daily can decrease fasting blood glucose levels and hemoglobin A1c (HbA1c) in patients with Type II diabetes.

Prickly Pear Cactus (Nopal):

There is some preliminary clinical evidence that prickly pear cactus used orally can decrease blood glucose levels in patients with Type II diabetes. Single doses can decrease blood glucose levels by 17% to 46% in some patients. However, it is not known if extended daily use can consistently lower blood glucose levels and decrease HbA1c levels. Only the broiled stems of the specific species Opuntia streptacantha seem to be beneficial and raw or crude stems do not seem to decrease glucose levels. Other prickly pear cactus species do not seem to significantly lower blood glucose levels.

Red Sandalwood (Pterocarpus marsupium):

Like Gymnema Sylvestre, this is a traditional herb used in India to help rejuvenate the insulin-producing pancreatic beta cells. One group of researchers investigating diabetic rats compared Pterocarpus' observed effects on blood glucose levels to those of metformin, a drug familiar to many diabetics.
Stevia (Sweet Herb):

Stevia is a non-caloric herb, native to Paraguay, which has been used as a sweetener and flavor enhancer for centuries. Clinical research suggests that stevioside, a constituent of Stevia, might reduce postprandial glucose levels by 18% in people with Type II diabetes.

Turmeric:

Turmeric has been used for thousands of years in Asian Indian cookery and is an ingredient in curry powder. Ground from dried curcumin, a rhizome of the ginger family, turmeric is not peppery and rather mild tasting.

May decrease blood sugar levels (and cholesterol). The apparent blocking of enzymes that convert dietary carbohydrates into glucose may be involved in this lowering of blood sugar.

Many of these herbs have potential to help Type II diabetics and pre-diabetics maintain lower blood sugar and reach a Hemoglobin A1c goal of < 7.0, but much more research is needed. Active ingredients and mechanisms of action need to be elucidated.

References:


Reference website: http://searchwarp.com/swa75811.htm