

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

## Mashua information and growing instructions

Ken Aslet is probably the best known of all mashua varieties outside the Andes, although as an ornamental, rather than an edible. It was reportedly discovered by its namesake at the Royal Horticultural Society garden at Wisley, UK as a volunteer seedling in the 1950s. It has been available in the US since at least 1978. This variety is more popular as an ornamental than as an edible, since most other varieties are much higher yielding and better flavored.

*The Ken Aslet strain circulating in the USA tests positive for several viruses, including Potato Virus S and Potato Virus Y, neither of which has been previously recognized to infect mashua. I am cleaning up this variety and it won't be available again until that is done. I don't recommend growing this variety from any available source, including us. I'm sorry for the inconvenience. Because these viruses were not known to infect mashua, I never tested for them before 2018.*

## Culinary Traits

Ken Aslet is a pungent variety, with a raw flavor like horseradish pickled in cheap perfume. As usual, the cooked flavor is much more pleasant. Ken Aslet has a soft texture and a strong cabbagey flavor with a bit of bitter aftertaste. The flesh is light yellow and the color is retained when cooked.

## Agronomic Traits

Ken Aslet is often claimed to be a day neutral variety, but I would describe it more as an intermediate daylength variety. It does flower and form tubers earlier than most other mashua varieties, but that means late summer rather than early fall. If planted very early, in February or March, it will sometimes flower in spring, although it usually stops and then resumes in summer. It appears to initiate flowering at day lengths below 14 hours. Tuber size ranges from less than an inch to about nine inches, but most are in the two to four inch range. Yields are low, usually between one and two pounds.

Although the specifics of its origin are lost to history, based on its appearance, I imagine one parent was a Peruvian variety of the type that is called "tears of blood". I also think it is likely that it resulted from a cross between two varieties, rather than a self-pollination, because the diversity of its progeny is much higher than most heirloom mashuas.

**Price:** \$8.50 - \$32.50

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

## Mashua information and growing instructions

Lima is presumably a Peruvian heirloom variety, but I don't know anything else about it.

## Culinary Traits

Lima has a very nice flavor that is slightly sweet with a subtle caramel aftertaste. It has no cabbagey flavor at all. The flesh cooks soft and the yellow color is retained through cooking.

## Agronomic traits

Lima plants are fairly small, reaching about seven feet on trellis. Yields are modest, reaching three to four pounds. Tubers can grow as long as six inches, but most are in the two to four inch range. The tubers have good dormancy. Although it is a fall flowering variety, it is one of the earlier ones, starting here around mid-October.

## What you will receive

### Tubers

You will receive the stated number of tubers, packaged in plastic bag with damp peat.

### Seeds

Seeds are open pollinated. Because mashua is a polyploid hybrid, the seeds will not grow true to type. They are suitable for use in breeding or conservation efforts and could be used to select varieties similar to the parent type.

**Price:** \$8.50 - \$32.50

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

### Oca information and growing instructions

Bolivian Red is presumably a Bolivian heirloom variety, although I don't know any details about its origin. This variety is notable for its excellent, non-acidic flavor. Also sold under the name 'Rebo'.

## Culinary Traits

Bolivian Red slightly sweet but not tart, a combination that often reminds me of things like squash and sweet potato, although it doesn't really taste like either one. The cooked texture is soft. Although it loses some color with cooking, it does retain quite a bit of it and remains red. This is a very attractive variety for raw use. When sliced, you get red and yellow discs, which look great in salads.

## Agronomic Traits

Bolivian Red plants are intermediate in size and sprawl less than many of the larger varieties. Tubers are produced on stolons of intermediate length and usually do not crowd. Tuberization photoperiod is about 12 hours, the same as most heirloom varieties. Average yield is 1.2 pounds. The maximum tuber length is 4 inches and the average tuber length is 1.5 inches. Average tuber count is 36. There are about three times as many small tubers as large with this variety.

Bolivian Red is a moderate flowerer with a short-styled flower, flowering here from late June through August.

## What you will receive:

### Tubers

You will receive the stated number of tubers, packaged in a wax envelope. We grade tubers by passing them through a grate. Small tubers are those that won't fall through a 1/3" grate, but that will fall through a 1 inch grate. Medium/large tubers are those that will not fall through a 1 inch grate.

### Seeds

Seeds are open pollinated. Because oca is a polyploid hybrid, the seeds will not grow true to type. They are suitable for use in breeding or conservation efforts and could be used to select varieties similar to the parent type.

**Price:** \$6.50 - \$12.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

### Oca information and growing instructions

Cherry Red is a New Zealand oca (or yam, as they call it) variety originally brought to the USA as a food import. It is notable for high yield and large average tuber size.

## Culinary Traits

Cherry Red is very reminiscent of potato, with firm, dry flesh and only very slight tartness. It cooks to a muted yellow/orange color.

## Agronomic Traits

Cherry Red plants are tall, with a large number of stems, and sprawling at maturity. The tubers are produced on long stolons, which helps to prevent crowding and ensure uniform tuber shapes. Tuberization photoperiod is about 12.5 hours, perhaps a week earlier than most heirloom varieties. It appears that it might be a mutation of Sunset, as it is very similar to that variety in every trait but skin color. While Sunset produces orange-skinned tubers, Cherry Red has red tubers, as you might expect. Occasionally, we find a tuber that has partially or completely mutated to orange skin, which prompted this speculation. Average yield is 2 pounds. Maximum tuber length is 4.8 inches and average tuber length is 3.3 inches, so this variety skews decidedly toward larger tubers. Average tuber count is 41.

Cherry Red is a low to moderate flowerer with a short styled flower, flowering here in July and August.

Nerd alert: Our original supplier mentioned that this variety has appeared in several Star Trek episodes as an alien vegetable and we finally spotted it in Star Trek Voyager in an episode called "The Voyager Conspiracy". Total screen time is less than a second, so you have to be watching closely to see it. There is a screenshot in the gallery.

## What you will receive

### Tubers

You will receive the stated number of tubers, packaged in a wax envelope. We grade tubers by passing them through a grate. Small tubers are those that won't fall through a 1/3" grate, but that will fall through a 1 inch grate. Medium/large tubers are those that will not fall through a 1 inch grate.

### Seeds

Seeds are open pollinated. Because oca is a polyploid hybrid, the seeds will not grow true to type. They are suitable for use in breeding or conservation efforts and could be used to select varieties similar to the parent type.

**Price:** \$6.50 - \$12.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

### Oca information and growing instructions

Golden is an heirloom variety from La Paz, Bolivia. It is notable for its unusually dark foliage.

## Culinary Traits

Golden lacks both sweetness and tartness, for a flavor that is very similar to potato. The cooked flesh is dry and moderately firm. The yellow color is retained well in cooking.

## Agronomic Traits

Golden plants are large and sprawling. The foliage is mottled with purple and is noticeably darker than other varieties in the field. Tubers are produced on stolons of intermediate length and are very uniform. Tuberation photoperiod is about 12 hours, the same as most heirloom varieties. Average yield is about one pound. The maximum tuber length is 4.1 inches and the average tuber length is 1.9 inches. Average tuber count is 27.

Golden is a moderate flowerer with a short-styled flower, flowering here from July through September.

## What you will receive

### Tubers

You will receive the stated number of tubers, packaged in a wax envelope. We grade tubers by passing them through a grate. Small tubers are those that won't fall through a 1/3" grate, but that will fall through a 1 inch grate. Medium/large tubers are those that will not fall through a 1 inch grate.

### Seeds

Seeds are open pollinated. Because oca is a polyploid hybrid, the seeds will not grow true to type. They are suitable for use in breeding or conservation efforts and could be used to select varieties similar to the parent type.

**Price:** \$6.50 - \$12.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

Oca information and growing instructions
This is an OSSI open source variety. Click for more information about open source seeds.
Phytosanitary information

Longview is a Cultivariable original variety, introduced in 2016, notable for excellent flavor and ability to flower in warmer conditions than most varieties.

## Culinary Traits

Longview is non-acidic variety with a rich, somewhat squash-like flavor. It lacks the tartness that is characteristic of most oca varieties. The yellow flesh is very soft when cooked and the tubers will disintegrate with long cooking times. Like most oca varieties, Longview does not retain much of its color when cooked. The tubers are small side, but they are very nice roasted whole with a little olive oil.

## Agronomic Traits

Longview plants are moderate in height and relatively compact. The tubers are formed on stolons of intermediate length. Tuberization photoperiod is about 12 hours, the same as most of the heirloom varieties. Average yield is 1.1 pounds. The maximum tuber length is 3.5 inches and the average tuber length is 1 inch. Average tuber count is 26. Tubers are evenly distributed from small to large.

Longview is an abundant flowerer with a mid-styled flower morph. This variety flowered and set seed in the central valley of California, which is a climate where oca flowers are rarely seen. Because of that, it could serve as a foundation for growers wishing to breed better locally adapted varieties in warmer climates than oca normally tolerates.

## True Seeds

True seeds of Longview produce tubers mostly in yellow and orange and a smaller number of whites and reds. Even numbers of tubers with and without colored eyes. Mostly yellow or white flesh.

**Price:** \$6.50 - \$12.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

### Oca information and growing instructions

Pascou is reportedly a Peruvian variety. It is also sold under the names 'Frank's Bicolor', 'Monster', and 'OE Durazno'.

## Culinary Traits

Pascou is slightly sweet and just barely tart, a combination that is a little bit squash-like. The cooked flesh is moderately firm and retains its yellow color.

## Agronomic Traits

Pascou plants are large and sprawling at maturity. Tubers are produced on long stolons and are typically uniform. Tuberization photoperiod is about 12 hours, like most heirloom varieties. Average yield is just about one pound. Maximum tuber length is 4.2 inches, although the tubers are quite bulky. Average tuber length is 2.4 inches. Average tuber count is 26. This variety produces slightly more large tubers than small tubers.

Pascou is a poor flowerer with a mid-styled flower, flowering here from late June through September.

## What you will receive

### Tubers

You will receive the stated number of tubers, packaged in a wax envelope. We grade tubers by passing them through a grate. Small tubers are those that won't fall through a 1/3" grate, but that will fall through a 1 inch grate. Medium/large tubers are those that will not fall through a 1 inch grate.

### Seeds

Seeds are open pollinated. Because oca is a polyploid hybrid, the seeds will not grow true to type. They are suitable for use in breeding or conservation efforts and could be used to select varieties similar to the parent type.

**Price:** \$6.50 - \$12.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

Oca information and growing instructions
This is an OSSI open source variety. Click for more information about open source seeds.
Phytosanitary information

Sockeye is a Cultivariable original variety, introduced in 2015, notable for relatively early tuberization and high yield.

## Culinary Traits

Sockeye is a moderately tart variety, with what we might call the classic oca flavor, something like a potato with lemon or sour cream. Raw, it has attractive, shiny, red skin and light yellow flesh with a red core. It can be sliced thinly for raw dishes, which will produce disks with contrasting red and yellow rings. Cooked, the texture is very soft and the tuber will disintegrate with long cooking time. Like most oca

varieties, Sockeye loses most of its color when cooked, usually becoming light pink.

## Agronomic Traits

Sockeye plants are tall, with a large number of stems, and sprawling at maturity. The tubers are produced on relatively short stolons and cluster densely beneath the plant. This has both advantages and disadvantages. The tubers are easy to harvest, but because they are closely packed, many will have irregular shapes. Tuberization photoperiod is about 13 hours, making it two to three weeks earlier than most of the heirloom varieties. Average yield is 2.2 pounds. The maximum tuber length is 5.2 inches and the average tuber length is 2 inches. Average tuber count is 34. The distribution of tubers ranges pretty evenly from small to large.

Sockeye is a fairly poor mid-styled flowerer, flowering from late June to September here.

## White Salmon

White Salmon is a somatic mutant of Sockeye that has lost all red color. It is white to pale yellow after exposure. Other than color, it is identical to Sockeye. We don't grow much of this variety and it is not available every year.

## What you will receive

### Tubers

You will receive the stated number of tubers, packaged in a wax envelope. We grade tubers by passing them through a grate. Small tubers are those that won't fall through a 1/3" grate, but that will fall through a 1 inch grate. Medium/large tubers are those that will not fall through a 1 inch grate.

### Seeds

Seeds are open pollinated. Because oca is a polyploid hybrid, the seeds will not grow true to type. They are suitable for use in breeding or conservation efforts and could be used to select varieties similar to the parent type.

**Price:** \$6.50 - \$20.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

Oca information and growing instructions

This is an OSSI open source variety. Click for more information about open source seeds.



Wishkah is a Cultivariable original variety, introduced in 2015, notable for high yield and large average tuber size.

## Culinary Traits

Wishkah is a mildly acidic variety, just tart enough so that you wouldn't mistake it for a potato, but not so much that it won't serve in just about any potato recipe. It is very slightly sweet and the yellow flesh is moderately firm even when cooked. Like most oca varieties, it loses most of its color when cooked.

## Agronomic Traits

Wishkah plants are tall, with a large number of stems, and sprawling at maturity. The tubers are formed on long stolons, which helps to prevent crowding and increases uniformity. Tuberization photoperiod is about 13 hours, making it two to three weeks earlier than most of the heirloom varieties. Average yield is 2.5 pounds. The maximum tuber length is 6.4 inches and the average tuber length is 2.9 inches. Average tuber count is 22. Wishkah typically produces both the highest yields and largest tubers of any variety that we grow.

Wishkah is a heavy flowerer with a mid-styled flower. It is consistently among the top three producers of true seed here, along with Redshift and Siwash.

## True Seeds

True seeds were collected in 2020 and were open pollinated. Wishkah is mid-styled and therefore self-compatible, so I expect a portion of the seeds to be self-pollinated, but the majority will probably be crossed. The closest neighbors in 2020 were Sockeye and Adele, both of which are compatible and would be the most likely partners. From experience, I expect true seed of Wishkah to give a greater percentage of early varieties with larger tubers than most other varieties. Plants will mostly be large. Tuber color is not predictable. I only offer oca see that germinates at 80% or better in my tests, but some people still report no germination because oca is tricky. So, set your expectations low and hopefully you will be happily surprised.

**Price:** \$6.50 - \$10.00

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

This is an OSSI open source variety. Click for more information about open source seeds.

Phytosanitary information

One of our two 2015 ulluco introductions. The varieties Humptulips and Moclips were grown from seed and may be the first seed-grown varieties offered for sale anywhere since the Incas were breeding the crop. Ulluco seed has long been regarded as nearly impossible to produce, but we've been doing it for several years now and we're looking forward to producing improved varieties for North America.

Although it wasn't initially, Humptulips has become my favorite of the new varieties. Plants are large and vigorous, with large, lumpy yellow tubers that have very slight red markings at the eyes. The flesh is a deep yellow and the tubers have a strong earthy/beet flavor. Produces a reliable two pound yield here, which is great for ulluco. Like most ulluco varieties, color develops fairly late as the tubers mature. If harvested too early, this variety is white with some light pink markings.

**Price:** \$8.50 - \$12.50

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

Ulluco information and growing instructions

This is an OSSI open source variety. Click for more information about open source seeds.

Phytosanitary information

Queets is an amazing looking ulluco, with long pink/purple tubers that look almost fluorescent with freshly dug. We had several accusations of Photoshopping the image after first posting it on Facebook, but the pictures are as true to life as my camera can capture. Flesh is white and this makes a great salad variety when sliced thinly. Harvest was almost 2 pounds per plant in 2016, which puts it among the top 10% of varieties by yield. Mild, with very little beet flavor. The tubers can be quite large for ulluco, reaching as much as six inches in length, but this is not an early variety, so you need to keep them growing until the end of November to reach that size. Although some of the color washes out with cooking, as is true of all ulluco varieties, this one holds color fairly well. It remains red and the flesh even darkens from white to red with moderate cooking time.

**Price:** \$8.50 - \$12.50

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

---

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!

Ulluco information and growing instructions

This is an OSSI open source variety. Click for more information about open source seeds.

Phytosanitary information

Taholah is a new variety for 2016. Four pounds from a single plant in 2016 convinced us to offer it immediately to trial growers. I noticed that it was forming tubers back in mid-August, which is about a month earlier than any other variety we have and could be a big step forward for a crop that normally only forms tubers once short days arrive. Tubers are long and often lumpy, with vivid purple skin and orange flesh.

**Price:** \$8.50 - \$12.50

Copyrighted content from cultivariable.com. This PDF is intended for the personal use of Cultivariable customers. Do not share this document; instead, share the link to the original. Thank you!