

Variety	Russian varieties - FGUP Bakcharskoje							Canadian varieties - University of Saskatchewan					American varieties - Berries Unlimited					
	JUGANA	VOSTORG (Delight)	SINI UTES (Blue Bush) CPVO protected	CANDY BLUE (Lemon) CPVO protected	USLADA (Pleasure)	USSULGA	AURORA	HONEYBEE	BOREAL BEAUTY CPVO protected	BOREAL BEAST CPVO protected	BOREAL BLIZZARD CPVO protected	BLUE BANANA	BLUE TREASURE	GIANT'S HEART	STRAWBERRY SENSATION			
PLANT	when planted	11 / 2015	11 / 2015	11 / 2017	11 / 2017	11 / 2017	08 / 2018	11 / 2015	11 / 2015	11 / 2017	11 / 2017	11 / 2017	08 / 2018	08 / 2018	08 / 2018	08 / 2018		
	pot size	C 3.5	C 3.5	M-40	M-40	M-40	C 5	C 3.5	C 3.5	M-40	M-40	M-40	C 5	C 5	C 5	C 5		
	height (m) - 2019	1.70	1.30	0.80	0.70	0.70	0.70	1.50	0.80	1.50	0.60	0.60	0.70	0.65	0.75	0.70		
	height (m) - 2020	1.80	1.40	1.00	1.00	1.00	1.00	1.70	1.00	1.00	1.15	0.70	0.90	0.90	1.10	0.90		
height (m) - 2021	2.00	1.60	1.10	1.20	1.20	1.10	1.80	1.50	1.40	1.50	1.20	1.10	1.30	1.60	1.10			
habit	upright, columnar, strong, fast growing	spherical, branches thin, flexible, a shrub of rather loose habit	spherical, compact, very strong, so far slow growing	upright, columnar, medium strong	upright, columnar, medium strong	upright, columnar, medium strong	thick stems, compact bush with erect habit	extremely vigorous grower, the fastest growing variety, very dense	rather spherical, dense, branches strong, stiff in spring, the young stems are very brittle and they break very often	columnar, very strong, dense	round, compact, very dense	strong, stiff branches, dense, upright, dense foliage covers fruits	very strong, stiff, loose skeleton stems, lots of short, dense, side branches	upright, stiff stems, many vertical stems from the base, soon will be too dense, will need thinning the strongest of four American varieties being tested	very vigorous bush, dense, upright, stems thin, strong, forms very dense leaf canopy			
BERRIES	average weight (g)	2018	1.60	2.10	1.70			2.10	1.90									
		2019	1.40	1.90	1.50			1.90	1.70									
		2020	1.40	1.90	1.60	1.50	1.30	1.20	1.90	1.70	2.00	1.70	2.70	1.20	2.80	2.20	2.00	
	max. weight (g)	2018	1.90	2.90				2.50	2.30									
		2019	1.70	2.60	2.20			2.30	2.00									
		2020	1.60	2.40	2.00	2.00	1.60	1.70	2.10	1.40	2.40	2.00	3.20	1.60	3.20	2.80	2.30	
	average size (mm)	2018	30x17x12	42x17x16	38x15x14			31x13x12	28x14x12									
		2019	28x15x10	38x15x14	34x13x12			30x13x12	25x13x12									
		2020	29x12x9	35x14x14	34x12x12	25x10x8	25x11x8	23x10x8	28x12x10	22x15x12	25x16x13	38x16x15	26x8x10	25x16x14	22x17x15	20x16x16		
	Brix	2018	14	14-16	13-14			14-15	13									
		2019	17-21	15-21	13-15			14-15	13									
		2020	13-15	13-14	12-14			11-16	11-16									
2021	15	15	13-14	16	14-15	14.5	13-15	12	13-15	13-14	13-15	13.5	13	15	13			
2021	14-15	14-15	14	14	14	14	14-15	12-13	12-13	14	14-15	14	14	17	15			
year	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry / wet	dry	dry	dry	dry			
shape	berries of a very regular shape, uniform size, medium size	uniform shape, regular, uniform size	very regular in shape, uniform size	cyindrical, elongated, both sides of berries obtuse	uniform shape, regular, medium, uniform size	cyindrical, elongated, both sides of berries conical	oval and elongated	cyindrical, sick strongly to their stems, remain on the bush until they get dry	short, heart-shaped, thick	elongated, heavy	uniform-shaped to pear shaped	elongated, sharp-pointed both sides	oval	heart shaped	round to elliptical			
taste	sweet or very sweet, one of the tastiest Russian varieties	sweet berries with the hint of acid, balanced, still the best Russian variety	sweet, delicate taste, one of the best, as early as Vostorg or even earlier	sweet, firmness very good even 3 weeks after the first berries have matured, promising	sweet, slightly tart, very pleasant, a hint of bitter aftertaste	sweet, sweet-tart, pleasant, well balanced, bilberry aftertaste	sweet	juicy and tasty, slightly tart	the taste is sour-sweet, not our favourite but people like it: the taste improves with age	pleasant taste, very mild, one of our favorite varieties in terms of taste	our favorite because of the taste! Too soft, unfortunately	sweet, crunchy	sweet and tart, buter-like texture of the berry	sweet, sweet-sour and tasty, hard skin, very good firmness	a hint of unripe strawberry taste, generally sweet and tart taste			
HARVESTING DETAILS	season	early variety, just after Vostorg		the earliest variety	as early as Vostorg or even earlier	early but can be harvested 2-3 weeks	early, ripens with Jugana and Vostorg	latest Russian	so far, the latest, commercial variety in our conditions	ripens with Aurora, improves when with age	the latest of the Boreal group	later than B. Blizzard	the earliest of 3 Boreals, sick strongly to their stems, berries remain on the bush in good condition even for 3 weeks	the earliest in the group - beginning of July	late variety - second part o July	late variety - second part o July	late variety - second part o July	
		kg / bush	0.38	0.78	0.25				0.78	0.25								
	weather	Weather in spring was very hot and dry. Harvesting season from 28th of May to 15th of June - such a narrow harvesting window can be a challenge in terms of desert berry harvest organisation.																
	remarks	Good mechanical harvest.																
	kg / bush	0.54	2.20	0.50				2.45	2.06									
	weather	Harvesting season from 10th to 22th of June																
	remarks	New selection, in Russia highly appreciated. One of the best in terms of taste, fertility in our conditions should be confirmed in the future.																
	kg / bush	0.24	0.85	0.24	0.21	0.13	0.24	2.04	0.90	0.39	0.57	0.74	0.88	0.61	0.73	0.96		
	time	Harvesting season from 1st to 12th of June																
	weather	Blossoming became very early - end of march, and was stretched in time till first days of May. Spring was warm during days and wet. Cold nights - late night frost till the second half of May damaged more than 50% of berries, in coldest places - even 100%. Berries quality generally poor. Harvesting season very long - 5 weeks +																
	remarks	Until 2020 high productivity and fruit quality not confirmed. Pollination seems to be the secret of high yield.	Despite bad weather conditions quality of berries was pretty good. Yield 50% lower than in 2019.	Despite bad weather conditions quality of berries was still good. In 2020 yield 50% lower than in 2019.	Berries do not fall down. Easy harvest. Late harvest possible. Good mechanical harvest. For further observation.	Berries do not fall down. Easy harvest. Good mechanical harvest. For further observation.	For further observation.	In 2020 the most reliable variety. Yield only 15% less than in 2019 because of the weather. Working house.	In 2020 yield 50% lower than in 2019 because of the weather.	The earliest matured berries fall down, but not much.	The berries remain on the bush, a bit difficult to picking, sometimes pedicel stays on the berry.	Mechanical harvest possible, harvesting window very narrow. Should be harvested just after coloration, when berries are still firm but already sweet.	Easy picking. Mechanical harvesting possible. Ripe berries do not fall. For further observations.	Easy picking. Mechanical harvesting possible. Ripe berries do not fall. For further observations.	Easy picking. Mechanical harvesting possible. Ripe berries do not fall. For further observations.	Easy picking. Mechanical harvesting possible. Ripe berries do not fall. For further observations.		
	kg / bush	0.54	0.92	0.37	0.76	0.30	0.61	1.90	1.00	1.45	1.23	1.20	1.07	1.20	1.40	1.43		
time	from 21st of June	from 16th of June	from 21st of June	from 18th of June	from 21st of June	from 25th of June	from 1st to 14th of July	24th to 28th of June	from 28th of June	from 22nd of June	1st decade of July	3rd decade of July	3rd decade of July	2nd/3rd decade of July				
weather	Weather in spring extremely wet and cold, no late frost. Blooming time till second decade of May. Ripening season delayed, stretched in time till second half of July																	
remarks	Still didn't confirm a fertility in our conditions, probably will be excluded from the group of commercial varieties for Southern Poland.	Still the most reliable Russian variety. Good mechanical harvesting. In spite of bad weather conditions in spring, gave a good quality yield.	Lower yield than expected, still should be observed. Very stiff and thick, vertical stems make the bush very dense and we observed high berry loss during mechanical harvesting. Will require pruning, intensive.	Still to be observed, yield below expectation probably due to poor pollination or weather.	Still to be observed, yield below expectation probably due to poor pollination. For further observation.	Definitely too low yield, variety for further observation.	Due to cold and wet weather during blooming period, yield lower than expected. Good fruit quality, twice the mechanical harvest, reliable variety.	A very good mechanical harvesting in 2021, low berry loss. A very good quality of mechanically harvested fruit. Taste was better than in recent years, alternate with a little bitterness. Definitely commercial.	Better taste than last year, sweeter berries. Good mechanical harvest. Despite bad weather, reliable, healthy and productive.	Mechanically harvested berries rather for processing (leaking and soft).	B. Beauty and B. Beast ripen in the same time. Mechanical harvest possible, however the shape of the berries is less suitable for machine harvest, compared to the berries of remaining three American varieties.	Promising variety. One of the three varieties which ripen as the latest in the season. This year we could harvest good quality berries to 25 th of July. Mechanical shaking possible. Gives berries a very good quality.	Promising variety. One of the three varieties which ripen as the latest in the season. This year we could harvest good quality berries to 25 th of July. Mechanical shaking possible. Gives berries a very good quality.	All features like Blue Treasure and Giant's Heart, the same good quality of th berries. Promising.				
remarks	Easy picking - when matured, when not ripened - shaking can be difficult.	Easy picking, also mechanical harvest is easy. Number 1! Good shelf life and transportability, taste exceptionally balanced, so far the best Russian variety. In colder areas suffers like other Russian varieties.	Easy picking, also mechanical harvest is easy.		Easy harvest. Good firmness and taste.	In spite of very spectacular fruit size variety has important traits. Original taste, good berry quality. One harvest possible.	Generally the best quality of the berry. When soil is wet - difficult harvest.	Good mechanical harvest. Berries do not fall down. Improves with age, one of the strongest and healthiest varieties. According to Breeder's opinion and also in our conditions, a very good variety. SEVERE PRUNING NECESSARY!	The best variety of all for mechanical harvest. The most important advantage - all berries ripen evenly, berries have the same shape and even size, very good firmness.	Tasty and eagerly eaten variety, high yield, the berry quality should be confirmed. Tastes very well. Firmness could be better when ripened.	Firmness could be better. Ripened the berries stay long on the bush (even 3 weeks +). Gets soft very fast. Fantastic for processing.							