

Variety		JUGANA	VOSTORG (Delight)	SINJI UTES (Blue Rock) CPVO protected	LAWINA (Avalanche)	USLADA (Pleasure)	USSULGA	AURORA	HONEYBEE	BOREAL BEAUTY	BOREAL BEAST	BOREAL BLIZZARD	BLUE BANANA	BLUE TREASURE	GIANT'S HEART	STRAWBERRY SENSATION		
		FGUP Bakczarskoje	FGUP Bakczarskoje	FGUP Bakczarskoje	FGUP Bakczarskoje	FGUP Bakczarskoje	FGUP Bakczarskoje	University of Saskatchewan	University of Saskatchewan	University of Saskatchewan	University of Saskatchewan	University of Saskatchewan	Berries Unlimited	Berries Unlimited	Berries Unlimited	Berries Unlimited		
PLANTING	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	C3.5	C3.5	M-40	M-40	M-40	C5	C3.5	C3.5	M-40	M-40	M-40	C5	C5	C5	C5		
PLANT	height [m] - 2019	1.70	1.30	0.80	0.70	0.70	0.70	1.50	1.50	0.80	1.00	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	1.70	1.00	1.15	0.70	0.90	0.90	1.10	0.90		
	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 [kg]	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	1.30	1.75	1.20	2.00	1.70	2.70	1.20	2.80	2.20	2.00	
	max. weight [kg]	2018	1.90	2.90	2.40				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	24x12x10	22x15x12	25x16x13	38x16x15	26x8x10	25x16x14	22x17x15	20x16x16	
	Brix [°]	2017	14	14-16					14-15	13								
		2018	17-21	15-21	13-15				14-15	13								
		2019	13-15	13-14	12-14				11-16	11-16								
2020		15	15	13-14	16	14-15	14,5	13-15	12	13-15	13-14	13-15	13,5	13	15	13		
scar	dry	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	fusiform shape, regular, uniform size	very regular in shape, uniform size, medium size berries	cylindrical, elongated, both sides of berries obtuse	fusiform shape, regular, medium, uniform size	cylindrical, elongated, both sides of berries conical	oval and elongated	cylindrical, stick strongly to their stems, remain on the bush until they get dry	short, heart-shaped, thick	elongated, heavy	fusiform-shaped to pear shaped	elongated, sharpened 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	tart taste, a bit sour	pleasant taste, very mild, one of our favorite varieties in terms of taste	our favorite because of the taste! but very soft, stick strongly to their stems, berries remain on the bush in good condition even for 3 weeks	sweet	sweet and tart, butter-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	generally	season		the earliest variety	as early as Vostorg or even earlier	early but can be harvested 2-3 weeks		so far, the latest, commercial variety in our conditions					the earliest in the group - 20th of June	late variety - ripened in July	late variety - ripened in July	late variety - ripened in July		
		2018	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 dessert berry harvest organisation															
		2019	Harvesting season from 10th to 22th of June							Harvesting season from 21th to 30th of June								
	average yield from 1 plant [kg]	2020	Blooming 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 +															
		2018	Harvesting season from 1st to 12th of June.							Harvesting season from 10th of June till 10th of July.								
		2019	Harvesting season from 20th of June till 10th of July.															
2020	0.24	0.85	0.24	0.21	0.13	0.24	2.04	0.90	0.39	0.37	0.74	0.88	0.61	0.73	0.96			
remarks	1. Easy picking - when matured, when not ripened - shaking can be difficult.	1. Easy picking, also mechanical harvest is easy.	1. Easy picking, also mechanical harvest is easy.	1. Berries do not fall down. 2. Easy harvest. 3. Late harvest possible. 4. Good mechanical harvest. 5. For further observation.	1. Berries do not fall down. 2. Easy harvest. 3. Good mechanical harvest. 4. For further observation.	1. For further observation.	1. Good mechanical harvest.	1. Good mechanical harvest. 2. Berries do not fall down.	1. The earliest matured berries fall down, but not much.	1. The berries remain on the bush, a bit difficult to picking sometimes pedicel stays on the berry.	1. Mechanical harvest possible, harvesting window very narrow. 2. Should be harvested just after colouration, when berries are still firm but already sweet.	1. Easy picking. 2. Mechanical harvesting possible. 3. Ripe berries do not fall.	1. Easy picking. 2. Mechanical harvesting possible. 3. Ripe berries do not fall.	1. Easy picking. 2. Mechanical harvesting possible. 3. Ripe berries do not fall.	1. Easy picking. 2. Mechanical harvesting possible. 3. Ripe berries fall off easy.			
REMARKS	general	1. Low yield in the beginning, later fertility improves, in Bakchar the highest haskap yield ever recorded - 9 kg from 9 years old bush. Until 2020 high productivity and fruit quality not confirmed. 2. Pollination seems to be the secret of high yield.																
		1. Number 1! 2. Good shelf life and transportability, taste exceptionally balanced, so far the best Russian. 3. In coldest areas suffers like other Russian varieties. 4. Despite bad weather conditions quality of berries was still good. Yield 50% lower than in 2019.																
		1. New selection, in Russia highly appreciated. 2. One of the bests in terms of taste, fertility in our conditions should be confirmed in the future. 3. Despite bad weather conditions quality of berries was still good. In 2020 yield 50% lower than in 2019.																
		1. Despite bad weather all berries ripen at the same time and are of very good quality.																
		1. Easy harvest. 2. Good firmness and taste.																
		1. In spite of not very spectacular fruit size variety has important traits. Original taste, good berry quality.																
		1. Generally the best quality of the berry. 2. When soil is wet - difficult harvest. 3. In 2020 the most reliable variety. Yield only 15% less than in 2019 - because of the weather. 'Working horse'.																
		1. Improves with age. 2. Requires radical thinning, one of the strongest and bushiest varieties. 3. In 2020 yield 50% lower than in 2019 because of the weather.																
		1. The most important advantage - all berries ripen evenly, berries have the same shape and even size, very good firmness. 2. The taste is sour-sweet, not our favourite but people like it. The taste improves with age.																
		1. Tasty and eagerly eaten variety, high yield, the berry quality should be confirmed. The best taste in 2020. 2. Tastes very well, firmness could be better when ripened.																
		1. The most eagerly eaten and praised variety, sweet. 2. Firmness could be better. 3. Ripened the berries stay long on the bush (even 3 weeks +). 4. Gets soft very fast. 5. Fantasizing for processing.																
		1. For further observation.																
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