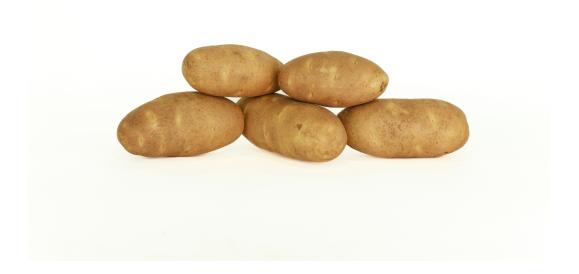


## JUNIPER RUSSET



## medium-late russet variety with fresh appeal and excellent French fry quality

- exceptional resistance to PVY
- high tolerance to heat stress
- suitable for long-term storage
- white flesh color

## JUNIPER RUSSET



Average Seed Size (oz)  Seed Spacing (nothes) Spacing, and 1.5 10 9 9 9 22 19 18  Planting Rate (cwt per acre) 2.5 12 11 11 11 30 26 25  Planting depth Seed Preparation Seed Preparation Seed Preparation Seed No known sensitivities.  Foliage Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P2Os) Now compared to other full-season russet varieties.  Potago Alba SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Vineld Medium-high Medium-high Dormancy Very dormant  Row width (inchest) 27 34 36 27 34 34 36 27 34 36 27 34 34 36 27 34 4 36 20 18 8-9 inches) 18 planting Rate (cwt per acre) 22 19 18 22 19 24 22 22 19 18 22 19 18 22 19 24 25 22 19 18 22 19 24 25 22 19 18 22 19 24 25 22 19 18 22 19 24 25 22 19 24 22 19 18 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 2 19 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 24 22 19 2	Growing recommendations – Commercial Production								
Size (oz)  Seed Spacing, spacing, and 1.5 10 9 9 9 22 19 18 planting rates 2.0 11 10 10 26 23 22 25 Planting depth 8 – 9 inches, tubers tend to sit higher in the hill.  Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  Herbicides No known sensitivities.  Foliage Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P2Os) 100% compared to other full-season russet varieties.  Potassium (K2O) 100% compared to other full-season russet varieties.  Secondary 40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Medium-late Tuber Characteristics  Yield Medium-ligh Eye depth Medium Low to medium	Site Requirements	No specific site requirements							
Seed sizing, spacing, and 1.5 10 9 9 9 22 19 18 planting rates 2.0 11 10 10 26 23 22 25 Planting depth 8 – 9 inches, tubers tend to sit higher in the hill.  Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  Herbicides No known sensitivities.  Foliage Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N) 220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.  Phosphorus (P20s) 100% compared to other full-season russet varieties.  Potassium (K2O) 100% compared to other full-season russet varieties.  Potassium (K2O) 40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Medium-late Tuber Characteristics  Yield Medium-ligh Eye depth Medium Low to medium		Average Seed	Row width (inches)			Row width (inches)			
spacing, and 1.5 10 9 9 9 22 19 18  planting rates 2.0 11 10 10 26 23 22  2.5 12 11 11 30 30 26 25  Planting depth 8 – 9 inches, tubers tend to sit higher in the hill.  Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  Herbicides No known sensitivities.  Foliage Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N) 220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.  Phosphorus (P2Os) 100% compared to other full-season russet varieties.  Potassium (K2O) 100% compared to other full-season russet varieties.  Potassium (K2O) 40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity Medium-late Tuber Characteristics  Yield Medium-high Eye depth Medium  Tuber number Medium  Low to medium		Size (oz)	27	34	36	27	34	36	
planting rates  2.0 11 10 10 26 23 22 2.5 12 11 11 10 30 26 25  Planting depth  8 – 9 inches, tubers tend to sit higher in the hill.  Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  Herbicides  No known sensitivities.  Foliage  Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest  Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P2Os)  100% compared to other full-season russet varieties.  Potassium (K2O)  100% compared to other full-season russet varieties.  Secondary  40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity  Medium-late  Tuber Characteristics  Yield  Medium-high  Very dormant  Tuber number  Naturity  Very dormant  Tuber number  Dormancy	Seed sizing,		Seed Spacing (inches)			Planting Rate (cwt per acre)			
2.5   12   11   11   30   26   25  Planting depth   8 – 9 inches, tubers tend to sit higher in the hill.  Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  Herbicides   No known sensitivities.  Foliage   Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest   Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)   220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.  Phosphorus (P2Os)   100% compared to other full-season russet varieties.  Potassium (K2O)   100% compared to other full-season russet varieties.  Potassium (K2O)   40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity   Medium-late   Tuber Characteristics  Yield   Medium-high   Eye depth   Medium   Tuber number   Low to medium	spacing, and	1.5	10	9	9	22	19	18	
Planting depth 8 – 9 inches, tubers tend to sit higher in the hill.  Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  Herbicides No known sensitivities.  Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N) 220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.  Phosphorus (P2Os) 100% compared to other full-season russet varieties.  Potassium (K2O) 100% compared to other full-season russet varieties.  Secondary 40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity Medium-late Tuber Characteristics  Yield Medium-high Uery dormant Low to medium	planting rates	2.0	11	10	10	26	23	22	
Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  No known sensitivities.  Foliage  Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest  Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.  Phosphorus (P2Os)  100% compared to other full-season russet varieties.  Potassium (K2O)  100% compared to other full-season russet varieties.  Secondary  40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity  Medium-late  Tuber Characteristics  Yield  Medium-high  Very dormant  Very dormant  Very dormant  Very dormant  Variety Characteristics		2.5	12	11	11	30	26	25	
for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a concern; align seed with soil temperatures.  No known sensitivities.  Foliage Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P <sub>2</sub> O <sub>5</sub> ) 100% compared to other full-season russet varieties.  Potassium (K <sub>2</sub> O) 100% compared to other full-season russet varieties.  Secondary 40lbs SO <sub>4</sub> , 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity Medium-late Tuber Characteristics  Yield Medium-high Fye depth Tuber number  Medium Low to medium	Planting depth	8 – 9 inches, tubers tend to sit higher in the hill.							
concern; align seed with soil temperatures.  No known sensitivities.  Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P2Os)  Potassium (K2O)  100% compared to other full-season russet varieties.  Potassium (K2O)  Secondary  40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity  Medium-late  Tuber Characteristics  Yield  Nedium-high  Very dormant  Tuber number  Nedium Low to medium		Warm seed to 46-48 °F in preparation for cutting; cut seed, treat, and allow to suberize							
No known sensitivities.	<b>Seed Preparation</b>	for 7 – 10 days; consider additional in-furrow pesticide applications if Rhizoctonia is a							
Foliage Somewhat robust vine development with prolific flowering habit.  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P₂O₅)  Potassium (K₂O)  100% compared to other full-season russet varieties.  Potassium (K₂O)  Secondary  40lbs SO₄, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity  Medium-late  Tuber Characteristics  Yield  Medium-high  Very dormant  Very dormant  Tuber number  Low to medium									
Fertilization (always account for residual soil nutrients prior to applying fertilizer)  Nitrogen (N)  Phosphorus (P2Os)  Potassium (K2O)  Secondary  40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity  Medium-late  Dormancy  Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to prevent greening soil to greening soil t	Herbicides	No known sensitivities.							
prevent greening where possible. Allow 21-28 days for skin set.  Harvest Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.  Fertilization (always account for residual soil nutrients prior to applying fertilizer)  220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.  Phosphorus (P2O5) 100% compared to other full-season russet varieties.  Potassium (K2O) 100% compared to other full-season russet varieties.  Secondary 40lbs SO4, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity Medium-late Tuber Characteristics  Yield Medium-high Eye depth Medium  Dormancy Very dormant Tuber number Low to medium	Foliage	Somewhat robust vine development with prolific flowering habit.							
Prevent greening where possible. Allow 21-28 days for skin set.	Vina kill	Ensure adequate soil moisture and seal ground by rolling vines and pressing soil to							
Fertilization (always account for residual soil nutrients prior to applying fertilizer)         Nitrogen (N)       220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.         Phosphorus (P₂O₅)       100% compared to other full-season russet varieties.         Potassium (K₂O)       100% compared to other full-season russet varieties.         Secondary       40lbs SO₄, 50lbs Mg estimates. Calcium dependent on soil availability.         Variety Characteristics       Maturity       Medium-late       Tuber Characteristics         Yield       Medium-high       Eye depth       Medium         Dormancy       Very dormant       Tuber number       Low to medium	vine-kiii	prevent greening where possible. Allow 21-28 days for skin set.							
Nitrogen (N)   220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as determined through petiole testing.	Harvest	Harvest at pulp temps above 50 F up to 65 F; take steps to minimize impacts.							
Nitrogen (N)       determined through petiole testing.         Phosphorus (P₂O₅)       100% compared to other full-season russet varieties.         Potassium (K₂O)       100% compared to other full-season russet varieties.         Secondary       40lbs SO₄, 50lbs Mg estimates. Calcium dependent on soil availability.         Variety Characteristics       Tuber Characteristics         Yield       Medium-high       Eye depth       Medium         Dormancy       Very dormant       Tuber number       Low to medium	Fertilization (always account for residual soil nutrients prior to applying fertilizer)								
Phosphorus (P₂O₅) 100% compared to other full-season russet varieties.  Potassium (K₂O) 100% compared to other full-season russet varieties.  Secondary 40lbs SO₄, 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity Medium-late Tuber Characteristics  Yield Medium-high Eye depth Medium  Dormancy Very dormant Tuber number Low to medium	Nitrogon (NI)	220 lbs. total N; 2/3 applied pre-plant; remaining 1/3 applied as fertigation as							
Potassium (K₂O)       100% compared to other full-season russet varieties.         Secondary       40lbs SO₄, 50lbs Mg estimates. Calcium dependent on soil availability.         Variety Characteristics       Medium-late       Tuber Characteristics         Yield       Medium-high       Eye depth       Medium         Dormancy       Very dormant       Tuber number       Low to medium	Millogell (M)	determined through petiole testing.							
Secondary  40lbs SO <sub>4</sub> , 50lbs Mg estimates. Calcium dependent on soil availability.  Variety Characteristics  Maturity  Medium-late  Tuber Characteristics  Yield  Medium-high  Eye depth  Tuber number  Low to medium	Phosphorus (P2O5)								
Variety Characteristics       Maturity     Medium-late     Tuber Characteristics       Yield     Medium-high     Eye depth     Medium       Dormancy     Very dormant     Tuber number     Low to medium	Potassium (K <sub>2</sub> O)	100% compared to other full-season russet varieties.							
MaturityMedium-lateTuber CharacteristicsYieldMedium-highEye depthMediumDormancyVery dormantTuber numberLow to medium	Secondary								
Yield Medium-high Eye depth Medium  Dormancy Very dormant Tuber number Low to medium	Variety Characteristics								
Dormancy Very dormant Tuber number Low to medium	Maturity	Medium-late		Tuber Characteristics					
<b>Dominancy</b>   very dominant	Yield	Medium-hig	h	Eye depth		Medium			
Tuher shape   Oval	Dormancy	Very dorman	it	Tuber nur	nber	Low to me	edium		
Consider 1 000 1 007	•			Tuber sha	pe	Oval			
Specific Gravity   1.080 – 1.087     Cooking type   C – floury	Specific Gravity	1.080 – 1.087	<u> </u>			C – floury			
Resistances Sensitivities	Resistances	<u> </u>		Sensitivities					
PVY Very high Common scab Low	PVY	Very high		Common	scah	Low			
PLRV     Black snot bruise   Moderate	PLRV					_	1		
IRV   Moderate   Shatter bruise   Moderate to high	TRV	Moderate				Moderate to high			
PCN Harvest damage Moderate	PCN						•		
Potato wart disease									
Storage  Junious Pusset is suitable for long term storage; allow for proper wound healing									

Juniper Russet is suitable for long-term storage; allow for proper wound healing.

38 – 40 F for the table market

48 F for the frozen fry market