

VARIETY RELEASED BY UNIVERSITY IN 2021

SN	Crop	Variety	Release Date	Features
1	Rice	NDR 9930111 (IET 19117)	Gazette notification no CG-DL-E-03022021-224901; dated January 29, 2021	<ul style="list-style-type: none"> • A semi tall, submergence tolerance, long duration 145 days, high yielding variety (5.5t/ha), short bold grain (SB) type. • NDR 9930111 performed exceedingly well under different dose of nitrogen. NDR 9930111 indicated good responsiveness to nitrogen levels. • It has good milling (68 %), head rice recovery (57%), GC % (50) and L/B ratio (2.23 mm). • It possesses intermediate grain amylose content (23.56%) along with good cooking quality. • It possesses tolerance to Leaf Blight, Sheath Blight, Sheath rot, BLB, RTV, BPH, WBPH, GLH, Gall Midge, Blue Beetle, Leaf folder, Case Worm and stem borer in field condition.
2	Rice	NDGR 702	Gazette notification no CG-DL-E-03022021-224901; dated December 24, 2021	<ul style="list-style-type: none"> • Long bold red kernel grain • Flowering duration 115 days • Moderate tillering • Good elongation • Kneeing ability with submergence tolerance • Average grain yield 35-40 q/ha • Quality-wise: 67.9% (HRR), amylose content (23.4%), hulling recovery (79.8%) and milling recovery (70.5%) • Moderately resistance to Neck Blast and Stem Borer
3	Wheat	NW-6046	Notification No. SF/775/T/SVN/State SPC/ 2021-22 dated 22.7.2021.	<ul style="list-style-type: none"> • It is suitable for rainfed condition for Uttar Pradesh • Average Yield : 21-25 q/ha. • Duration : 125-127 days • Plant Height : 95-97 cm. • Resistance to Rust & leaf blight diseases
4	Pea	Narendra Matar-1; (NDP2014-4)	Notification No. SF/775/T/SVN/State SPC/ 2021-22 dated 22.7.2021.	<ul style="list-style-type: none"> • It is resistant to powdery mildew and rust. • Moderately resistant to leaf minor and stem fly. • Yield 20-25 q/ha. medium tall) for Uttar Pradesh.
5	Chickpea	Narendra Chana-1; Chickpea (NDG-14-11)	Notification No. SF/775/T/SVN/State SPC/ 2021-22 dated 22.7.2021.	<ul style="list-style-type: none"> • It is resistant to dry root rot and ascochyta blight. • Moderately resistant to pod borer. • Yield 25-30 q/ha. • It is deshi type bold seeded variety for Uttar Pradesh

6	Aonla	Narendra Aonla -25	Recommended during 25 th research workers group meeting of ICAR- AICRP on Arid Zone Fruits on 25 th - 26 th February 2021	<ul style="list-style-type: none"> • Early flowering (starts from last week of February) • Start bearing in 4th year • Early ripening (November) and earliest among the released varieties. • Fruit shape- Flattened round.
7	Aonla	Narendra Aonla-26	Recommended during 25 th research workers group meeting of ICAR- AICRP on Arid Zone Fruits on 25 th - 26 th February 2021	<ul style="list-style-type: none"> • Early flowering (starts from last week of February) • Full ripening in the month of December. • Attractive bright green yellow colour of fruits with smooth thin skin of complete ripened fruits. • Fruit shape- Flattened round.
8	Bael	Narendra Bael-10 (ND/AH-10)	Recommended during 25 th research workers group meeting of ICAR- AICRP on Arid Zone Fruits on 25 th - 26 th February 2021	<ul style="list-style-type: none"> • Early ripening (March) and earliest among the released varieties. • Compact foliage, less fruit sunscald and very less thorns under subtropical-arid environment and starts bearing in 4th year. • Drought tolerant, luxuriant growth and higher fruit yield under less precipitation and high temperature. • Attractive light yellow colour of pulp of complete ripened fruit. • It is highly suitable for powder and RTS owing to attractive pulp colour and fibre content.
9	Brinjal	Narendra Suyog (NDB White-1)	Recommended during 39 th Group meeting of ICAR-AICRP (vegetable crops) September 7 th -9 th , 2021	<ul style="list-style-type: none"> • Season- <i>Kharif</i> and <i>Rabi</i> • Features- Medium Long fruit shape • Average Yield-380 • Potential Yield-548 q/ha

TECHNOLOGIES DEVELOPED BY UNIVERSITY IN 2021	
SN	Details of technology
1.	<p>Nutrient management in dual purpose oat</p> <ul style="list-style-type: none"> Application of RDN (60N/ha) + vermicompost @ 2t/ha +PSB (Soil application) @ 1.5kg/ha + Azotobactor (seed treatment) @ 10g/kg seed + ZnSo4 @ 20kg/ha + Foliar spray of ZnSo4 (0.5%) at just before flowering enhanced the green forage productivity and profitability of dual purpose oats.
2	<p>Integrated nitrogen management for potato cultivation in Eastern Uttar Pradesh</p> <ul style="list-style-type: none"> Application of 2/3rd nitrogen (100kg/ha) through inorganic fertiliser and remaining 1/3rd nitrogen through FYM is recommended for potato cultivation in Eastern Uttar Pradesh.
3	<p>Management of coriander powdery mildew(<i>Erysiphe polygoni</i>) with propiconazole</p> <ul style="list-style-type: none"> Spraying propiconazole (0.1%) at the initiation of the disease followed by second spray 15 days later is recommended for the management of powdery mildew.
4	<p>Management of stem gall disease of coriander with Azoxystrobin and Tebuconazole formulation.</p> <ul style="list-style-type: none"> Fungicidal formulation containing Azoxystrobin 11% + tebuconazole 18.3% SC is recommended for managing stem gall disease of coriander.
5	<p>Management of turmeric foliar diseases –leaf spot (<i>Colletotrichum capsici</i>) and leaf blotch (<i>Taphrina maculans</i>) with propiconazole intervention.</p> <ul style="list-style-type: none"> Treatment of rhizome with propiconazole (0.1%) and foliar spray of propiconazole (0.1%) is recommended for the management of turmeric foliar disease.
6	<p>Vegetable and pulse based integrated farming system model One ha integrated farming system model comprising :</p> <ul style="list-style-type: none"> crop+dairy+vermicompost +fisheries + horticulture found more remunerative. Vegetable based crop sequence; Rice-potato –green gram was more productive,remunerative and energy efficient. Rice-lentil-green fodder (maize+cowpea) rice-mustard-green gram was highly remunerative and energy efficient for farmers with poor resources.
7	<p>Rice based cropping system model</p> <ul style="list-style-type: none"> Rice-french bean –green gram and rice-cauliflower-okra cropping system was remunerative, good for soil health and energy efficient.
8	<p>Integrated approach with stale seed bed reduced spacing, mulching and one hand weeding for improvement of rice-potato-Okra organic system.</p> <ul style="list-style-type: none"> Stale seed bed+ reduced spacing (upto 25%)+ mulching + one hand weeding(50DAT/DAS) treatment under rice-potato-Okra organic system recorded good net return.
9	<p>Improvement of nutrient response with NPK and Zinc Sulphate application</p> <ul style="list-style-type: none"> Highest system equivalent yield in terms of rice (7517kg/ha), high system net return and high nutrient response was recorded with recommended dose of NPK and ZnSO4 @ 25kg/ha.
10	<p><u>First report in the world</u> on Clover Proliferation Phytoplasma related strain associated with <i>Matthiola incana</i> Floral Virescence In Uttar Pradesh India.</p> <ul style="list-style-type: none"> Association of clover proliferation phytoplasma (916SrVI) related strain with virescence symptoms of <i>M.incana</i>