

Mahatma Phule Krishi Vidyapeeth, Rahuri

Information about Crop wise Improved / Hybrid Varieties Developed by University

Improved / Hybrid Varieties of Wheat

N-5439 [Triticum aestivum]

| men' di sana a sana | Release year | 1972 |
|--|--|---------------------------------------|
| | Name of Institute / University | Agricultural Research Station, Niphad |
| 为以产品从外外 | Soil type | Medium Soil |
| 新新世家 [李][李][李] | Climate | Cool and dry |
| | Sowing Time / Planting period | Second Fortnight of October |
| Seed Rate (Per acre) | 30 kg/Acre | |
| Crop duration | Early Maturity (110 days) | |
| Productivity | 5 - 6 qt./Acre under rainfed condition | |
| Characters / features | Recommended for rainfed conditions of Peninsular Zone Drought and heat tolerant Excellent for <i>chapati</i> Tolerant to aphids | |
| Remark | Suitable for Rainfed condition | |

NI-5643 [Triticum aestivum]

| | Release year | 1973 |
|-----------------------|--|---------------------------------------|
| William Washing | Name of Institute / University | Agricultural Research Station, Niphad |
| 在主题 多油质 | Soil type | Medium to Heavy Soil |
| | Climate | Cool and dry |
| | Sowing Time / Planting period | 1st Fortnight of November |
| Seed Rate (Per acre) | 40 kg/Acre | |
| Crop duration | Medium Maturity (120-125 days) | |
| Productivity | 10 - 12 qt./acre | |
| Characters / features | 1) Recommended for timely sown irrigated conditions of Maharashtra State | |
| Characters / Teatures | 2) Better <i>chapati</i> quality3) Tolerant to aphids | |
| Remark | High yielding variety under timely sown irrigated condition | |



N-5749 [Triticum durum]

| A | Release year | 1975 |
|--|--|---------------------------------------|
| April 19 mines | Name of Institute / University | Agricultural Research Station, Niphad |
| 上 为此的第三人称: | Soil type | Medium Soil |
| A STATE OF THE STA | Climate | Cool and dry |
| | Sowing Time / | Second Fortnight of October |
| | Planting period | |
| Seed Rate (Per acre) | 30 kg/Acre | |
| Crop duration | Early Maturity (110 days) | |
| Productivity | 4 - 5 qt./acre under rainfed conditions | |
| | 1) Recommended for rainfed conditions of Maharashtra State | |
| Characters / features | 2) Non-waxy, tall type | |
| | 3) Tolerant to aphids | |
| Remark | High yielding variety under rainfed condition | |

Vinata [N-8223] [Triticum aestivum]

| Marie Control of the | Release year | 1985 |
|---|--|---------------------------------------|
| | Name of Institute / University | Agricultural Research Station, Niphad |
| | Soil type | Medium Soil |
| | Climate | Cool and dry |
| | Sowing Time / Planting period | Second Fortnight of October |
| Seed Rate (Per acre) | 30 kg/Acre | |
| Crop duration | Early Maturity (110 days) | |
| Productivity | 5 - 6 qt./acre | |
| Characters / features | Recommended for rainfed conditions of Maharashtra State Erect type with broad leaves Better <i>chapati</i> quality Tolerant to aphids Tolerant to rust | |
| Remark | High yielding variety under rainfed condition | |



Niphad (NIAW-34) [Triticum aestivum]

| | Release year | 1995 |
|-----------------------|---|---------------------------------------|
| | Name of Institute / University | Agricultural Research Station, Niphad |
| AND AND MARKET | Soil type | Medium Soil |
| 03666566 | Climate | Cool and dry |
| | Sowing Time / Planting period | 1st Fortnight of December |
| Seed Rate (Per acre) | 50 kg/Acre | |
| Crop duration | Early Maturity (105-110 days) | |
| Productivity | 14 - 16 qt./acre | |
| Characters / features | Recommended for late sown irrigated conditions of Peninsular Zone Medium size grain Tolerant to aphids Resistant to Black and Brown rust Protein content more than 13 % | |
| Remark | Best for <i>chapati</i> quality | |

Kadava (NI-9947) [Triticum aestivum]

| Contraction to the second | Release year | 1995 |
|---------------------------|---|---------------------------------------|
| | Name of Institute / University | Agricultural Research Station, Niphad |
| | Soil type | Medium Soil |
| | Climate | Cool and dry |
| | Sowing Time / Planting period | 1st fortnight of December |
| Seed Rate (Per acre) | 50 kg | |
| Crop duration | Early Maturity (90-105 days) | |
| Productivity | 10-12 quintals/ acre | |
| Characters / features | Recommended for late sown irrigated conditions of Maharashtra State Better chapati quality | |
| Characters / Teatares | 3) Tolerant to aphids, Resistant to Black and Brown rust | |
| | 4) Protein content 13.8 % | |
| Remark | High yielding variety under late sown condition | |



Trambak (NIAW-301) [Triticum aestivum]

| | Release year | 2001 | |
|---|--|---------------------------------------|--|
| THE LANGUAGE | Name of Institute / University | Agricultural Research Station, Niphad | |
| 不是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个 | Soil type | Medium to heavy Soil | |
| 和建议员会的任何 | Climate | Cool and dry | |
| | Sowing Time / Planting period | 1st Fortnight of November | |
| Seed Rate (Per acre) | 40 kg/Acre | | |
| Crop duration | Medium Maturity (110-115 days) | | |
| Productivity | 16 - 18 quintals/acre | | |
| Characters / features | Recommended for irrigated timely sown conditions of Maharashtra State Medium sized grains Best <i>chapati</i> quality Tolerant to aphids Resistant to rust Protein content 12 % | | |
| Remark | Highly accepted by the farmers | | |

Panchavati [NIDW-15] [Triticum durum]

| 207 | Release year | 2002 |
|-----------------------|---|---------------------------------------|
| | Name of Institute / University | Agricultural Research Station, Niphad |
| 多的意义的强体。 | Soil type | Medium to heavy Soil |
| | Climate | Cool and dry |
| | Sowing Time / Planting period | Second Fortnight of October |
| Seed Rate (Per acre) | 30 kg/Acre | |
| Crop duration | Early Maturity (105 days) | |
| Productivity | 5 - 6 qt./acre | |
| Characters / features | 1) Recommended for rainfed conditions of Maharashtra State 2) Bold attractive shining grains 3) Best suitable for macroni making 4) Tolerant to aphids 5) Resistant to rust | |
| Remark | Best durum variety under rainfed condition | |



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Information about Crop wise Improved / Hybrid Varieties Developed by University

Godavari [NIDW-295] [Triticum durum] (Processing Purpose)

| | Release year | 2005 |
|-------------------------|--|---------------------------------------|
| MCEANAMACHAR ARASTA | Name of Institute / University | Agricultural Research Station, Niphad |
| 公司的 使用的复数形式 16.6 | Soil type | Medium to heavy Soil |
| 数据描图逻辑的图图 | Climate | Cool and dry |
| FREE EVEL FO | Sowing Time / Planting period | 1 st Fortnight of November |
| Seed Rate (Per acre) | 40 kg/Acre | |
| Crop duration | Medium Maturity (110-115 days) | |
| Productivity | 18 - 20 qt./acre | |
| Characters / features | Recommended for irrigated timely sown conditions of Maharashtra State Bold attractive shiny grains Best suitable for macroni making Tolerant to aphids Resistant to rust Protein content 12 % | |
| Remark | Best durum variety for process industry. | |

Tapovan [NIAW-917] [Triticum aestivum]

| Bull to a find the or of the | Release year | 2005 |
|------------------------------|---|---------------------------------------|
| CAMADA AVELADADA | Name of Institute / University | Agricultural Research Station, Niphad |
| 有 可以是在人类的。 | Soil type | Medium to heavy Soil |
| | Climate | Cool and dry |
| 美的人的人名 多尔斯特 | Sowing Time / | 1st Fortnight of November |
| | Planting period | |
| Seed Rate (Per acre) | 40 kg/Acre | |
| Crop duration | Medium Maturity (110-115 days) | |
| Productivity | 18 - 20 quintals/acre | |
| Characters / feetures | Recommended for irrigated timely sown conditions of Maharashtra State Medium size grains Best for <i>chapati</i> making | |
| Characters / features | 4) Tolerant to aphids | |
| | 5) Resistant to rust | |
| | 6) Protein content more than 12.5 % | |
| Remark | Best high yielding variety under timely sown irrigated condition | |



Netravati [NIAW-1415] [Triticum aestivum]

| | Release year | 2010 |
|------------------------|---|---|
| San Maria | Name of Institute / University | Agricultural Research Station, Niphad |
| CELEBOOK AND TO SELECT | Soil type | Medium to heavy Soil |
| AND AND SOME | Climate | Cool and dry |
| | Sowing Time / Planting period | Second Fortnight of October (Rainfed) First week of November (Restricted Irrigated) |
| Seed Rate (Per acre) | 30 kg/Acre (Rainfed), 40 kg/Acre (Restricted Irrigated) | |
| Crop duration | 105 - 110 days (Rainfed), 110 - 115 days (Restricted Irrigated) | |
| Productivity | 6-8 qt./ acre (Rainfed), 10-12 qt./ acre (Rest. Irrigated) | |
| Characters / features | Recommended for rainfed and restricted irrigated conditions of Peninsular Zone Medium size grains Best for <i>chapati</i> making Tolerant to aphids Resistant to black and brown rust Protein content more than 12 % It has enriched with micronutrients like Iron (Fe) 48.4 ppm, Zinc (Zn) 33.4 ppm, Copper (Cu) 5.99 ppm, Manganese (Mn) 38.6 ppm | |
| Remark | This variety gives better yield under favorable conditions. | |

Phule Samadhan [NIAW-1994] [Triticum aestivum]

| Thuic Samaunan [1117411-1774] [17tticum ucsitrum] | | |
|---|--|--|
| NIAW-1994 | Release year | 2014 |
| | Name of Institute / | Agricultural Research Station, |
| | University | Niphad |
| W. Market St. 18 18 | Soil type | Medium to heavy Soil |
| MARINE & DA | Climate | Cool and dry |
| | Sowing Time / | 1 st fortnight of November (Timely) |
| | Planting period | 1st fortnight of December (Late) |
| Seed Rate (Per acre) | 40 kg/Acre (Timely sown), 50 kg/Acre (Late sown) | |
| Crop duration | 115-120 days (Timely sown), 105-110 days (Late sown) | |
| Productivity | 18-20 qt./ Acre (Timely sown), 16-18 qt./ Acre (Late sown) | |
| | 1) Recommended for timely sown and late sown irrigated conditions of Maharashtra State. | |
| | 2) Bold size grains 3) Best for <i>chapati</i> making 4) Tolerant to aphids 5) Highly Resistant to rust | |
| Characters / features | | |
| | | |
| | | |
| | 6) Protein content more than 12 % | |
| Remark | Best high yielding variety widely accepted by farmers. | |



Phule Satwik (NIAW-3170)

| SAMA AND AND | Release year | 2020 | |
|-----------------------|--|--|--|
| | Name of Institute / University | Agricultural Research Station, Niphad | |
| NAME AND A TOTAL | Soil type | Medium to heavy Soil | |
| | Climate | Cool and dry | |
| | Sowing Time / Planting period | 1st fortnight of November | |
| Seed Rate (Per acre) | 40 kg/acre | | |
| Crop duration | 115-120 days | | |
| Productivity | 35-40 qt./ha. under restricted irrigated conditions | | |
| Characters / features | Protein content 11-12 %, Softness of grain: 30-45 % (Very low), Bread quality score: 7.0 to 7.5, Gluten index: 80-85 %, Chapati quality score: 7.0 to 7.5, Fe content: 30-40 ppm, Zn content: 30-35 ppm, resistant to rust | | |
| Remark | Best for biscuit purpose, biscuit spread factor: > 10 | | |

Phule Anupam (NIAW-3624)

| | Release year | 2021 | |
|-----------------------|--|--------------------------------|--|
| | Name of Institute / | Agricultural Research Station, | |
| | University | Niphad | |
| | Soil type | Medium to heavy Soil | |
| 出意地接出最高的 | Climate | Cool and dry | |
| | Sowing Time / Planting period | 1st fortnight of November | |
| Seed Rate (Per acre) | 40 kg/Acre | | |
| Crop duration | 105-110 days | | |
| Productivity | 30-35 qt./ ha. under one irrigation | | |
| Characters / features | Protein content 11.4 %, attractive bold grains, resistant to rust, | | |
| | good for chapatti, resistant to water stress condition | | |
| D 1 | Recommended for cultivation in Maharashtra under timely | | |
| Remark | sown restricted irrigation conditions | | |



Wheat- NIAW 4028

| | Release year | 2024 |
|-----------------------|---|--|
| | Name of Institute / University | Agricultural Research Station, Niphad |
| | Soil type | Medium to heavy Soil |
| | Climate | Cool and dry |
| | Sowing Time / Planting period | 1 st fortnight of November (Timely) |
| Seed Rate | 40 kg/acre | |
| Crop duration | 106 days | |
| Productivity | High yield - 33.43 q ha ⁻¹ , potential yield - 46.8 q ha ⁻¹ | |
| Characters / features | Resistance to brown rust and black rust, karnal bunt, powdery mildew, flag smut and blast disease, Resistance to shoot fly and wheat aphids, Grain Fe and Zn content 39.7 mg/kg and 37.0 mg/kg, respectively. | |
| Remark | Recommended for Peninsular Zone (Maharashtra, Karnataka, Andhrapradesh, Tamilnadu and Krerala). | |

Wheat- Phule Shashwat (NIAW 4114)

| and the second second | Release year | 2025 |
|---|---|---------------------------------------|
| | Name of Institute / | Agricultural Research Station, |
| | University Soil type | Niphad, Dist. Nashik Medium to heavy |
| | Climate | Cool and dry |
| | Sowing Time / Planting period | Irrigated late sown condition |
| Seed Rate | 40 kg/acre | |
| Crop duration | 105-110 days | |
| Productivity | 47.9 q ha ⁻¹ (Maximum yield -70.2 q ha ⁻¹) | |
| Characters / features | High content of iron (39.9 mg/kg) and zinc (39.5 mg/kg) | |
| Recommended for late sown irrigated condition | | sown irrigated condition, at national |
| Remark | level for Maharashtra, Karnataka, Telangana, Andhra Pradesh | |
| | and Tamilnadu | |