

RELEASE of WA6363 *Lewjain*

1. Identification:
 - a. Breeder No. VH 75801, WA 6363.
 - b. Proposed Name Lew, Lew Jain, or Dusty.
 - c. Pedigree - Luke/WA 5829.
WA 5829 = Sup. Helvia/Suwon 92/CI 13645
2. General Situation:
 - a. Market Class - Soft White.
 - b. To Supplant - Luke.
3. Description:

Soft white winter wheat, common head, awned, white chaff, weak straw, semidwarf.
4. Testing History:

Yield and Disease Nurseries.

 1. USDA Nurseries - 5 years.
 2. Regional Nurseries - 4 years.
 3. KJM Wash. State Nurseries - 3 years.
 4. USDA - Disease Nurseries.
 1. Stripe rust - Line.
 2. Dwarf bunt - Hoffman.
 3. Common bunt - Waldhers.
5. Quality:
 1. Excellent milling and flour quality - Rubenthaler.
6. Resistance to Disease:
 1. Slightly better than Luke in resistance to dwarf bunt (resistances factors 9,10,?).
7. Seed Status:

2000 individual head rows were sown in the fall of 1980 to produce Breeders seed.
8. Probable date for release:

July 9, 1981.
9. Data:
 1. Plant Height.
Similar to Luke (semidwarf).
 2. Test Weight.
Similar to Luke - one pound less than Nugaines.
 3. Straw Strength.
Slightly better than Luke but less than that of Nugaines.
 4. Emergence.
Good - Similar to Luke.
 5. Winterhardiness.
Slightly superior to Luke but less than that of

Nugaines.

6. Heading Date.
Late - Similar to Luke - 4 to 7 days later than
Nugaines.
7. Yield.
7% better than Luke and the same as Daws in 85
tests in Pacific Northwest.

	Bu/A	Dif.
Luke	63.5	
WA 6363	68.5	5
Daws	68.1	
WA 6363	68.5	.4

WA6363 equaled or exceeded Luke in 58 out of 85 tests.

WA6363 equaled or exceeded Daws in 41 out of 85 tests.

8. Disease Resistance.

1. Dwarf bunt - slightly better than Luke - Resistant.
2. Stripe rust - similar to Luke - Adult Resistance.
3. Leaf rust - similar to Luke - moderately susceptible.
4. Common bunt - similar to Luke - Resistant.
5. Cercospora foot rot - similar to Luke -
moderately susceptible.
6. Cephalosporium stripe - Better resistance than Luke -
moderately resistant.
7. flag smut - similar to Luke - susceptible.