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77S 1817 WHEAT (KLASIC)

77S 1817 IS A CULTIVAR OF TRITICUM AESTIVUM L. WITH SPRING GROWTH HABIT. THE KERNELS ARE HARD, WHITE, AND OVATE TO ELLIPTICAL IN SHAPE. CHEEKS ARE ROUNDED. THE CREASE IS NARROW TO MID-WIDE AND MID-DEEP. GERMS ARE MID-SIZED AND THE BRUSH IS SMALL AND SHORT. SPIKES ARE AWNED, FUSIFORM, AND LAX TO MID-DENSE. GLUMES ARE WHITE, GLABROUS, LONG, AND MID-WIDE. BEAKS ARE MID-WIDE, ACCUMINATE, AND 6 - 15 MM LONG. THIS VARIETY IS A SEMIDWARF WITH HEIGHT COMPARABLE TO PROBRED. HEADING DATES FOR 77S 1817 HAVE BEEN ON THE AVERAGE FIVE DAYS EARLIER THAN PROBRED AT YUMA, ARIZONA AND EQUAL TO PROBRED AT WOODLAND, CALIFORNIA. RELATIVE MATURITY IS EARLY. 77S 1817 IS MODERATELY RESISTANT TO SOME RACES OF STEM RUST (PUCCINA GRAMINIS F. SP. TRITICI) AND RESISTANT IN THE SEEDLING STAGE TO LEAF RUST (P. RECONDITA) RACES KGB AND CBC. THE COLEOPTILE COLOR IS WHITE AND SEEDLING ANTHOCYANIN IS ABSENT. JUVENILE PLANT GROWTH IS ERECT. PLANT COLOR AT BOOTING IS GREEN. WAXY BLOOM IS NOT PRESENT ON THE FLAG STEM AND SHEATH. AURICLES ARE NOT HAIRY AND HAVE NO ANTHOCYANIN. THE STEM IS HOLLOW AND HAS NO ANTHOCYANIN. USUALLY THREE TO FOUR NODES ORIGINATE FROM THE NODE ABOVE GROUND. THE FLAG LEAF IS RECURVED AT BOOT STAGE AND OFTEN TWISTED. ANOTHER COLOR IS YELLOW. THE VARIETY HAS NO UNUSUAL OR CHARACTERISTIC VARIATIONS EXCEPT THAT UNDER CONDITIONS WHICH MAY PRODUCE A BORDER EFFECT, SUCH AS SKIPS WITHIN OR BETWEEN ROWS, THE MAIN CULM OF AN AFFECTED PLANT MAY EXTEND UP TO 10 CM ABOVE THE GENERAL CANOPY, WHILE LATERAL TILLERS OF THESE PLANTS MAY BE 5-10 CM BELOW THE CANOPY. UNDER CERTAIN

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ENVIRONMENTAL CONDITIONS BLACK CHAFF MAY APPEAR ON THE GLUMES OF 77S 1817. THIS BLACK CHAFF IS PROBABLY DUE TO PSEUDO BLACK CHAFF WHICH IS THE NATURAL DEVELOPMENT OF MELANIN PIGMENTS IN SOME GENETIC MATERIALS WITH STEM RUST RESISTANCE WHEN GROWN UNDER CERTAIN CONDITIONS OF TEMPERATURE AND LIGHT INTENSITY. OVERALL QUALITY FOR BREAD IS SLIGHTLY BETTER THAN PROBRED. ABSORPTION AND MIX TIME ARE VERY SIMILAR TO PROBRED.