

# REASONS FOR FAILURE IN TURKEY RAISING

### Records of Breeders Considered in Application to Commercial Production.

By A. R. Lee.

A list of questions on pigeon raising was sent to pigeon breeders throughout the United States, and, among other replies, were received from 22 large breeders who kept from 200 to 2,000 pigeons and produced squabs for market. The records from these breeders are considered more applicable to the commercial production of squabs than the replies which were received from breeders keeping only a few pigeons for home use or pleasure. These large breeders reported keeping the Homer and Carnation varieties almost exclusively for squab raising, with a comparatively small number of the Dragon, Maltose Hen, and White King mentioned. All except one breeders kept their pigeons from 3 to 7 months old, the average mating age being 5.7 months.

### Varieties of Pigeons.

Wheat, corn, alfalfa, Canada peas, millet, and peas were the grains most commonly fed, while a number of other grains, including peanuts, grass seed, oats, buckwheat, sunflower seed, rice, Egyptian cotton, and millet were also used. About one-half of the breeders reported the use of some kind of green feed, including a wide range of green material. The Helen Dow was reported by one-half of the breeders, loose table salt by one-fourth, and table salt baked into a hard lump by one-third. About 15 per cent used alfalfa, and 10 per cent used hemp seed, during the molting period, while several who did not use any special feed for assisting the molt supplied these grains in their regular feed. One-third used hoppers in feeding the pigeons.

### About one-half supplied tobacco stems as the entire or part of the nesting material, and this was commonly used, while others used pine needles, cut pea vines, and alfalfa stems. One-half reported freedom from all diseases and about one-fourth gave canker as a common cause of sickness.

The average annual profit per pair of breeders varied from 32 cents to \$3, and averaged \$1.52; the best cost from 95 cents to \$1.25; the average market price for a pair of breeders, while about one-half sold both as breeders and for market. The average price for the year received per dozen squabs varied from \$2.20 to \$4.02 and averaged \$3.43.

### The number of squabs marketed from each pair of breeders varied from 10 to 20, and averaged 13.1; the average number of eggs from 4 to 11 pounds, and averaged nine pounds. Squabs were marketed at four weeks except from two farms where the average age was 4.5 weeks. The average age of one-half was given as four and one-half weeks.

**Data Secured From Small Breeders.**

A large number of replies were received from breeders who kept less than 200 pigeons. Their answers in general agreed with those from the large pigeon breeders, although they were more varied.

### The diseases most frequently mentioned were canker, light-colored crop, and the principal method of treatment was prevention; by keeping everything clean, using disinfectants freely, and killing sick or diseased pigeons. Remedies used for preventing sickness were the use of kerosene oil, permanganate of potash, lime, copper sulphate, carbolic acid, quassa chips, epsom salts, venetian red, and gentian violet. The use of kerosene oil in the drinking water, dry sulphur and diluted peroxide of hydrogen were used in treating canker, and kerosene oil for roup. The average weight per pair from each pair of breeders varied from 20 cents to \$7.50, and averaged \$2.29. The profit from breeders who sold squabs largely for breeding purposes varied from \$10 to \$20 per pair. The average yearly feed cost per pair varied from 40 cents to \$4, and averaged \$1.32. Fifty-five per cent sold squabs for market only, 43 per cent for market and for breeders, and 12 per cent for breeders only. The number of squabs marketed from each pair of breeders varied from 5 to 23, and averaged 13.2. The average weight per dozen squabs varied from 4 to 18 pounds, and averaged 10.4. Squabs were marketed at from three to six weeks; the average being 4.2 weeks.

### Laying Ration for The Pullman Contest

The following poultry feeding ration has been used for the opening half month of the All-Northwest Egg-laying contest at Pullman, Wash., according to report from Helen Dow Whitaker, in charge of the contest:

Grain—Two pounds of wheat to one pound of cracked corn and one and a half pounds of oats. Oats to be weighed and sprouted, and fed with the roots are one-eighth inch in length.

Mash—Mixed in the following proportions: Five pounds bran, five pounds ground wheat, five pounds ground oats, five pounds cornmeal, two and a half pounds fish scrap, one-half pound charcoal.

### Believes in Cut Bone.

When I commenced feeding green cut bone the first thing I did was to find its feeding value by actual test, says William Jack, a well known poultryman. He used like conditions with fresh cut green bone added to their feed nearly twice as many times in the winter season as in the summer season than did the lot without the bone. Fifty-eight chicks hatched the same time from the same kind of eggs, and were divided to two lots and treated the same, except one lot was fed some extra. The much faster the extra lot grew, and would never have thought the two lots were the same. The lot fed the bone was much larger, but had clearer and brighter plumage. The lot that ate the bone went through the test with the loss of but one, while the lot without the bone lost 13.

### How About This?

A ton of wheat takes 77 worth of fertility from the soil. A ton of butter takes 50 cents. The wheat is worth \$20 and the butter \$400. Which do you raise?

# FREQUENT RAINS ARE PREDICTED FOR NORTH PACIFIC DURING WEEK

### Snow in Many Sections With Colder Weather Have Been Forecast.

Washington, Nov. 25.—(I. N. S.)—The weather bureau today issued the following forecast for next week: Regions of the Great Lakes—The weather will be overcast during the week with probably general snows Wednesday and Thursday attending the passage of a disturbance of considerable intensity across the great lakes on these days. The weather will be clearly warmer the first half of the week and much colder after Thursday.

### Whole Grain Ration Won't Do.

It should be remembered that one of the principles of poultry feeding is that the hen cannot do well if fed on a whole grain ration.

### Seattle Dry Squad Makes Big Haul

Seattle, Wash., Nov. 25.—Twenty-four cartons of whiskey, 16 quarts to the carton, shipped into Seattle by the Colonial Liquor company of San Francisco, was seized last night by the police dry squad. The whiskey was labeled beer, each carton having an individual permit attached though the shipment as a whole was consigned in care of the East Transfer company of Seattle, two of whose drivers were arrested.

### David W. West of Seattle Drops Dead

Seattle, Wash., Nov. 25.—David W. West, a member of the West & Surry Merchant patrol, dropped dead of heart disease last night. He was 57 years old, a bachelor and had lived in Seattle 40 years. He leaves a widow and children.

### White Leghorns in Lead in New Contest

St. Joseph, Mo., Nov. 25.—(I. N. S.)—The defense in the Oswald McDonald murder case started out today to break down the testimony of J. A. Hartley, state witness and owner of a large detective agency, who declared that McDonald sought divorce. The defense has more than 50 witnesses, many of whom are prominent St. Joseph citizens, who will testify to the good character of McDonald. The defense expects to prove a complete alibi.

### Portland Realty Board Members

H. L. ARCHER & CO. INVESTMENTS

Real Estate Loans and Insurance. 404-5 Northwest Bank Bldg.

### White Leghorns in Lead in New Contest

St. Joseph, Mo., Nov. 25.—The excellent performance of the birds in the laying contest at St. Joseph seems to be prima facie evidence that in each succeeding year the hens are better selected and better groomed for the contest. The record of the contest last year was a total yield of 1248 eggs as compared with 911 eggs in the first week and 1139 in the corresponding week a year ago.

### White Leghorns in Lead in New Contest

St. Joseph, Mo., Nov. 25.—The excellent performance of the birds in the laying contest at St. Joseph seems to be prima facie evidence that in each succeeding year the hens are better selected and better groomed for the contest. The record of the contest last year was a total yield of 1248 eggs as compared with 911 eggs in the first week and 1139 in the corresponding week a year ago.

### White Leghorns in Lead in New Contest

St. Joseph, Mo., Nov. 25.—The excellent performance of the birds in the laying contest at St. Joseph seems to be prima facie evidence that in each succeeding year the hens are better selected and better groomed for the contest. The record of the contest last year was a total yield of 1248 eggs as compared with 911 eggs in the first week and 1139 in the corresponding week a year ago.

### Fear Brothers, Inc. WE BUY NOTES

206 Dekum Bldg., Portland, Or.

### MORTGAGE LOANS \$300 Upwards at 6-7-8%

Oregon Investment & Storage Co. Offices 302-4 170 3d St.

### PREPARE FOR WINTER

EMPRESS COAL \$6.50 PER FULL WEIGHT TON.

EAST SIDE FUEL CO. East 5225. Mine Agents

### BUY TONO COAL PER \$6.50

Order from Us LIBERTY COAL AND ICE CO. EAST 620. B 6149

### DIAMOND COAL -BRIQUETS-

37.50 per ton in 3-ton lots. \$7.50 per ton under 3 tons. Save 25% on your fuel bill. Clean, odorless, easy to handle. Most heat for least money.

PACIFIC COAST COAL CO. 244 Washington St. A-2233

### BURN THE FAMOUS CASTLE GATE ECONOMY FUEL CO.

KEMMERER and ROCK SPRINGS COAL THE CLEANEST AND BEST BURNING COALS. PRICES REASONABLE. CRYSTAL ICE & STORAGE COMPANY EAST 244-B-144.

### MENDOTA FUEL CO.

Best coal for the money. No soot. Lots of heat. Our customers like it. Ask Bob Adams, Mine Agent, East 245. B-1232

### "South Wellington" -COAL-

Mined from best vein on Vancouver Island. This coal is the leader in other coast cities; also used by U. S. and Canadian governments and large oriental steamship lines. Why? because of its heat unit; small amount abso- sorbs heat. Wholesale Bulk Boynton Bros. 100 RETAIL 553 Street

### RED-OAK COAL

Standard Brick & Tile Co. 81 4th St., at Oak, Henry Bldg. Main 1109. -Phones- A-1109.

### KELLER FUEL CO.

DEALERS IN COAL, FIRE OAK, BLOCK AND SLABWOOD. CUT TO ORDER. Cor. 9th and Gilsan. Get our prices First.

### LUMP COAL \$6.50 PER TON DELIVERED

ALSO DOMESTIC COKE VULCAN COAL CO. Main 2716. PHONES A-2716

### PAINTING, PUTTING, PAPERHANGING

DR. R. A. PHILLIPS, Alky, bldg., Astoria, Nervousness, Prostatic Trouble, Rheumatism.

### MANUFACTURERS JOBBERS WHOLESALE

PLUMBING SUPPLIES. PLUMBING SUPPLIES, WHOLESALE PRICES. STATE BLDG. 1000. Phone Main 1600.

### W. G. Smith & Co.

Wedding and Third Floor, Moran Bldg. DRESS suits for rent, all sizes. Unique Tailoring Co., 209 Stark St.

### W. G. Smith & Co. BUSINESS CARDS

W. G. Smith & Co., Wedding and Third Floor, Moran Bldg. DRESS suits for rent, all sizes. Unique Tailoring Co., 209 Stark St.

### PROFESSIONAL AND BUSINESS DIRECTORY

ACCORDION, KNIFE AND BOX PLATING, NEARBY, BRADING, BUTTON, BUCKLES, ETC. 1000-1001, 1002-1003, 1004-1005, 1006-1007, 1008-1009, 1010-1011, 1012-1013, 1014-1015, 1016-1017, 1018-1019, 1020-1021, 1022-1023, 1024-1025, 1026-1027, 1028-1029, 1030-1031, 1032-1033, 1034-1035, 1036-1037, 1038-1039, 1040-1041, 1042-1043, 1044-1045, 1046-1047, 1048-1049, 1050-1051, 1052-1053, 1054-1055, 1056-1057, 1058-1059, 1060-1061, 1062-1063, 1064-1065, 1066-1067, 1068-1069, 1070-1071, 1072-1073, 1074-1075, 1076-1077, 1078-1079, 1080-1081, 1082-1083, 1084-1085, 1086-1087, 1088-1089, 1090-1091, 1092-1093, 1094-1095, 1096-1097, 1098-1099, 1100-1101, 1102-1103, 1104-1105, 1106-1107, 1108-1109, 1110-1111, 1112-1113, 1114-1115, 1116-1117, 1118-1119, 1120-1121, 1122-1123, 1124-1125, 1126-1127, 1128-1129, 1130-1131, 1132-1133, 1134-1135, 1136-1137, 1138-1139, 1140-1141, 1142-1143, 1144-1145, 1146-1147, 1148-1149, 1150-1151, 1152-1153, 1154-1155, 1156-1157, 1158-1159, 1160-1161, 1162-1163, 1164-1165, 1166-1167, 1168-1169, 1170-1171, 1172-1173, 1174-1175, 1176-1177, 1178-1179, 1180-1181, 1182-1183, 1184-1185, 1186-1187, 1188-1189, 1190-1191, 1192-1193, 1194-1195, 1196-1197, 1198-1199, 1200-1201, 1202-1203, 1204-1205, 1206-1207, 1208-1209, 1210-1211, 1212-1213, 1214-1215, 1216-1217, 1218-1219, 1220-1221, 1222-1223, 1224-1225, 1226-1227, 1228-1229, 1230-1231, 1232-1233, 1234-1235, 1236-1237, 1238-1239, 1240-1241, 1242-1243, 1244-1245, 1246-1247, 1248-1249, 1250-1251, 1252-1253, 1254-1255, 1256-1257, 1258-1259, 1260-1261, 1262-1263, 1264-1265, 1266-1267, 1268-1269, 1270-1271, 1272-1273, 1274-1275, 1276-1277, 1278-1279, 1280-1281, 1282-1283, 1284-1285, 1286-1287, 1288-1289, 1290-1291, 1292-1293, 1294-1295, 1296-1297, 1298-1299, 1300-1301, 1302-1303, 1304-1305, 1306-1307, 1308-1309, 1310-1311, 1312-1313, 1314-1315, 1316-1317, 1318-1319, 1320-1321, 1322-1323, 1324-1325, 1326-1327, 1328-1329, 1330-1331, 1332-1333, 1334-1335, 1336-1337, 1338-1339, 1340-1341, 1342-1343, 1344-1345, 1346-1347, 1348-1349, 1350-1351, 1352-1353, 1354-1355, 1356-1357, 1358-1359, 1360-1361, 1362-1363, 1364-1365, 1366-1367, 1368-1369, 1370-1371, 1372-1373, 1374-1375, 1376-1377, 1378-1379, 1380-1381, 1382-1383, 1384-1385, 1386-1387, 1388-1389, 1390-1391, 1392-1393, 1394-1395, 1396-1397, 1398-1399, 1400-1401, 1402-1403, 1404-1405, 1406-1407, 1408-1409, 1410-1411, 1412-1413, 1414-1415, 1416-1417, 1418-1419, 1420-1421, 1422-1423, 1424-1425, 1426-1427, 1428-1429, 1430-1431, 1432-1433, 1434-1435, 1436-1437, 1438-1439, 1440-1441, 1442-1443, 1444-1445, 1446-1447, 1448-1449, 1450-1451, 1452-1453, 1454-1455, 1456-1457, 1458-1459, 1460-1461, 1462-1463, 1464-1465, 1466-1467, 1468-1469, 1470-1471, 1472-1473, 1474-1475, 1476-1477, 1478-1479, 1480-1481, 1482-1483, 1484-1485, 1486-1487, 1488-1489, 1490-1491, 1492-1493, 1494-1495, 1496-1497, 1498-1499, 1500-1501, 1502-1503, 1504-1505, 1506-1507, 1508-1509, 1510-1511, 1512-1513, 1514-1515, 1516-1517, 1518-1519, 1520-1521, 1522-1523, 1524-1525, 1526-1527, 1528-1529, 1530-1531, 1532-1533, 1534-1535, 1536-1537, 1538-1539, 1540-1541, 1542-1543, 1544-1545, 1546-1547, 1548-1549, 1550-1551, 1552-1553, 1554-1555, 1556-1557, 1558-1559, 1560-1561, 1562-1563, 1564-1565, 1566-1567, 1568-1569, 1570-1571, 1572-1573, 1574-1575, 1576-1577, 1578-1579, 1580-1581, 1582-1583, 1584-1585, 1586-1587, 1588-1589, 1590-1591, 1592-1593, 1594-1595, 1596-1597, 1598-1599, 1600-1601, 1602-1603, 1604-1605, 1606-1607, 1608-1609, 1610-1611, 1612-1613, 1614-1615, 1616-1617, 1618-1619, 1620-1621, 1622-1623, 1624-1625, 1626-1627, 1628-1629, 1630-1631, 1632-1633, 1634-1635, 1636-1637, 1638-1639, 1640-1641, 1642-1643, 1644-1645, 1646-1647, 1648-1649, 1650-1651, 1652-1653, 1654-1655, 1656-1657, 1658-1659, 1660-1661, 1662-1663, 1664-1665, 1666-1667, 1668-1669, 1670-1671, 1672-1673, 1674-1675, 1676-1677, 1678-1679, 1680-1681, 1682-1683, 1684-1685, 1686-1687, 1688-1689, 1690-1691, 1692-1693, 1694-1695, 1696-1697, 1698-1699, 1700-1701, 1702-1703, 1704-1705, 1706-1707, 1708-1709, 1710-1711, 1712-1713, 1714-1715, 1716-1717, 1718-1719, 1720-1721, 1722-1723, 1724-1725, 1726-1727, 1728-1729, 1730-1731, 1732-1733, 1734-1735, 1736-1737, 1738-1739, 1740-1741, 1742-1743, 1744-1745, 1746-1747, 1748-1749, 1750-1751, 1752-1753, 1754-1755, 1756-1757, 1758-1759, 1760-1761, 1762-1763, 1764-1765, 1766-1767, 1768-1769, 1770-1771, 1772-1773, 1774-1775, 1776-1777, 1778-1779, 1780-1781, 1782-1783, 1784-1785, 1786-1787, 1788-1789, 1790-1791, 1792-1793, 1794-1795, 1796-1797, 1798-1799, 1800-1801, 1802-1803, 1804-1805, 1806-1807, 1808-1809, 1810-1811, 1812-1813, 1814-1815, 1816-1817, 1818-1819, 1820-1821, 1822-1823, 1824-1825, 1826-1827, 1828-1829, 1830-1831, 1832-1833, 1834-1835, 1836-1837, 1838-1839, 1840-1841, 1842-1843, 1844-1845, 1846-1847, 1848-1849, 1850-1851, 1852-1853, 1854-1855, 1856-1857, 1858-1859, 1860-1861, 1862-1863, 1864-1865, 1866-1867, 1868-1869, 1870-1871, 1872-1873, 1874-1875, 1876-1877, 1878-1879, 1880-1881, 1882-1883, 1884-1885, 1886-1887, 1888-1889, 1890-1891, 1892-1893, 1894-1895, 1896-1897, 1898-1899, 1900-1901, 1902-1903, 1904-1905, 1906-1907, 1908-1909, 1910-1911, 1912-1913, 1914-1915, 1916-1917, 1918-1919, 1920-1921, 1922-1923, 1924-1925, 1926-1927, 1928-1929, 1930-1931, 1932-1933, 1934-1935, 1936-1937, 1938-1939, 1940-1941, 1942-1943, 1944-1945, 1946-1947, 1948-1949, 1950-1951, 1952-1953, 1954-1955, 1956-1957, 1958-1959, 1960-1961, 1962-1963, 1964-1965, 1966-1967, 1968-1969, 1970-1971, 1972-1973, 1974-1975, 1976-1977, 1978-1979, 1980-1981, 1982-1983, 1984-1985, 1986-1987, 1988-1989, 1990-1991, 1992-1993, 1994-1995, 1996-1997, 1998-1999, 2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2